DOCUMENT RESUME

ED 133 497 **CE 009 352**

AUTHOR	Cox, Walter H.; Zerface, W. A., Ed.
TITLE	Armed Forces VIEW (Vital Information for Education and Work).
INSTITUTION	Indiana Univ., Bloomington, Career Guidance Center.
SPONS AGENCY	Department of Defense, Washington, D.C.
CONTRACT	MDA903-74-C-0426
NOTE	211p.
EDRS PRICE	MF-$0.83 HC-$11.37 Plus Postage.
DESCRIPTORS	*Armed Forces; Career Education; *Career Opportunities; Career Planning; Cooperative Programs; *Educational Opportunities; Military Training; Senior High Schools
IDENTIFIERS	Department of Defense; Indiana University; *VIEW; Vital Information for Education and Work

ABSTRACT

Armed Services VIEW (Vital Information for Education and Work) is described as a cooperative program with the Department of Defense which (1) introduces career opportunities and training available through volunteer service enlistment, (2) will be provided to senior high schools at no cost, and (3) presents materials in both printed and microfilm form which identifies related military and civilian careers. The first section of this document discusses different aspects of the Armed Services--the Armed Services lifestyle, pay and benefits, educational opportunities, ROTC, Air Force, Army, Coast Guard, Marine Corps, Navy, Service academies, officer candidate programs, Reserves and Guard, flight training and direct appointments, and women in the Armed Services. The second section provides descriptions for 105 jobs, with each job including a job title, civilian DOT ("Dictionary of Occupational Titles") number, related military and civilian occupations, qualifications, training and skills needed, and an Armed Services rating. (Author)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

ED133497

ARMED SERVICES VIEW:

Vital Information for Education and Work

Walter H. Cox

Project Director, Principle Investigator and Associate Editor

W. A. Zerface

Editor

Roxanne Panero

Cover Design & Illustrations

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

This project was conducted pursuant with Contract No. MDA903-74-C-0426 between Indiana University and the United States Department of Defense. The material was prepared by the Career Guidance Center, Indiana University, 715 E. 7th Street, Bloomington, Indiana, 47401.

CG 009 352

armed services view

armed
services
VIEW

For more information contact:

Dr. Walter H. Cox, Director
Armed Services VIEW
Indiana University
715 East Seventh Street
Bloomington, Indiana 47401
Phone: (812) 337-9329

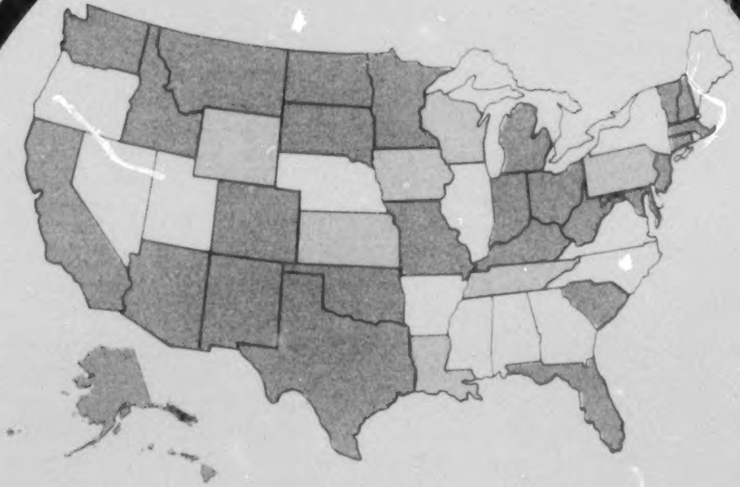
A new program, introducing career opportunities and training available through volunteer-service enlistment, will be provided to senior high schools at no cost. Armed Services VIEW, a microfilmed series, is a cooperative program with the Department of Defense. The information provided includes armed services life style, pay and benefits, educational opportunities, ROTC, service academies, other officer commissioning programs, the Reserve and Guard, and women in the armed services.

The National Consortium for Career Information Services (NCCIS) will integrate Armed Services VIEW with the existing VIEW (Vital Information for Education and Work)* programs now established in over thirty states. Basically, VIEW programs incorporate microfilm aperture cards, an informational system permitting maximum storage, continuous up-date of information, and the ability to provide "hard copy" to interested students.

Armed Services VIEW will supplement existing VIEW programs with a deck containing 120 microfilm aperture cards with six pages of information on each. In addition to the deck itself, the Armed Services VIEW package will also include an occupational handbook, a user index, and promotional materials.

---

* See map for variations of VIEW acronym



States and territories with established or developing VIEW programs:

- Alaska
- Arizona
- California
- Colorado
- Connecticut
- Florida
- Guam
- Hawaii
- Idaho
- Indiana
- Iowa (Iowa-Script)
- Kansas (K-View)
- Kentucky
- Louisiana (Vital)
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Missouri
- Montana
- New Hampshire
- New Jersey
- New Mexico
- North Dakota
- Ohio
- Oklahoma
- Pennsylvania (Penn-Script)
- South Carolina
- South Dakota
- Tennessee (Infoe)
- Texas
- Vermont
- Washington
- West Virginia
- Wisconsin (Wisc)
- Wyoming (Work)

• VIEW programs   • Acronyms other than VIEW

PREFACE

Making a career decision has never been easy. As Mark Twain explained almost a century ago, "*. . . I had been a grocery clerk for one day, but had consumed so much sugar that I was relieved from further duty by the proprietor. I had studied law an entire week, then given it up because it was so prosy and tiresome . . . (and) I had clerked in a drugstore part of a summer but my prescriptions were unlucky and we appeared to sell more stomach pumps than soda water.*"

Today, many young people still identify with Mark Twain's dilemma. There are jobs, of course. Lots of jobs. In fact, the U.S. Department of labor lists almost 25,000 different kinds of jobs. But for a great majority of young people, simply going to work is not enough. They need to know that what they are doing is useful and productive. They need to know that their job makes a difference.

Significantly, by 1980 four out of every five jobs in the United States will require technical rather than academic training. In anticipation of this demand, and in an effort to help young people explore career alternatives, career educators nation-wide are emphasizing vocational and technical training at both the secondary and post-secondary school levels. One source of this training, and an experience that can also lead to a rewarding career, is the Armed Services.

Armed Services VIEW is a program presenting materials in both printed and microfilm form which identify related military and civilian careers. The program includes an introduction to the Armed Services and covers training and duties for over one-hundred civilian careers and four-hundred fifty related military careers.

Armed Services VIEW is a collaborative program between the Department of Defense, Indiana University, the National Consortium for Career Information Services (NCCIS), and the Joint Education Liaison Directors of Recruiting (JELDOR) Committee.

INDEX

ARMED SERVICES VIEW

Page No.

Armed Services Life Style 1
A brief introduction to the Armed Services today, and a description of the lifestyle.

Pay & Benefits 2
A discussion of pay, allowances, and benefits available in the Armed Services.

Educational Opportunities 5
An introduction to the major opportunities available in the Armed Services.

Air Force 7
An introduction to the Air Force.

Army 8
An introduction to the Army.

Coast Guard 11
An introduction to the Coast Guard.

Marine Corps 12
An introduction to the Marine Corps.

Navy 14
An introduction to the Navy.

Page No.

ROTC 16
A brief summary of the various programs in Reserve Officer Training.

Service Academies 18
An introduction to the various Service academies and the requirements for admission.

Officer Candidate Programs 19
A discussion of the several routes available for commissioning as an officer in the Armed Services.

Reserves and Guard 21
An introduction to the programs and requirements of reserve components including the National Guard.

Flight Training and Direct Appointments 22
An introduction to the specialized programs and requirements for flight training.

Women In The Armed Services 24
A discussion of the opportunities and options available to women in the Armed Services.

JOB TITLE

D.O.T. No. Page No.

Able Seaman 911.884 26
The Able Seaman stands watches and has other duties related to sailing vessels.

Accounting Clerk 219.488 27
The Accounting Clerk maintains records of financial transactions

Air Traffic Control Specialist 193.168 28
The Air Traffic Control Specialist works in the control tower.

Aircraft Mechanic and Engine Worker (Helicopter) 621.281 30
The Aircraft Mechanic and Engine Worker maintains helicopters.

Aircraft Mechanic and Engine Worker (Jet Engine) 621.281 32
The Aircraft Mechanic and Engine Worker is trained to perform repair and maintenance work on jet engines.

Aircraft Mechanic and Engine Worker (Reciprocating/Prop) 621.281 34
The Aircraft Mechanic and Engine Worker works on the engines of propellor-driven aircraft.

D.O.T. No. Page No.

Aircraft Mechanic (Airframe) 621.281 35
The Aircraft Mechanic (Airframe) performs airframe structural work.

Aircraft Mechanic (Line Service) 912.384 37
The Aircraft Mechanic (Line Service) services and replaces engine and aircraft components.

Aircraft Mechanic (Plumbing and Hydraulics) 862.381 39
The Aircraft Mechanic (Plumbing and Hydraulics) assembles, installs, and tests plumbing and hydraulics systems on aircraft.

Assembler (Munitions) 736.884 41
The Assembler (Munitions) loads, unloads, and stores ammunition and ammunition components.

Automobile-Body Repairman 807.381 42
The Automobile-Body Repairman repairs and replaces worn and damaged parts of an automobile.

	D.O.T. No.	Page No.
Automobile Mechanic The Automobile Mechanic works on all types of autos to insure they are running properly.	620.281	44
Boatswain The Boatswain operates small craft.	911.131	46
Boiler Operator The Boiler Operator is responsible for regulating the fuel, water and air supply amounts that flow through boiler equipment.	950.782	47
Bookkeeper The Bookkeeper is in charge of recording all company financial transactions.	210.388	48
Cable Splicer The Cable Splicer joins cables to create electricity for power and other related companies.	829.381	50
Carpenter The Carpenter is trained to work with wood.	860.381	52
Central Office Repairman The Central Office Repairman makes service calls and works as a lineman replacing loose wires and mending telephone cables.	822.281	54
Chemical Operator The Chemical Operator is a chemical worker trained to use and process chemicals.	558.885	56
Civil Draftsman The Civil Draftsman drafts drawings, profiles and other maps and specifications used in construction.	005.281	57
Clerk (Chief) The Chief Clerk is an office manager who makes job assignments and hires clerical help.	169.168	59
Clerk-Typist The Clerk-Typist types office letters, memos, and schedules.	209.388	60
Communication Engineer The Communication Engineer works on the transfer of information (sometimes of a security nature) from one location to another.	822.281	62
Communication Technician (Radar) IMA The Communication Technician (Radar) IMA operates radar in airports and aircraft receiving and transmitting signals.	828.281	64
Cook (Restaurant) The cook prepares food according to prescribed standards of his employer.	313.381	66
Computer Equipment Operator The Computer Equipment Operator runs a computer.	213.382	68
Construction Equipment Mechanic The Construction Equipment Mechanic works on large construction and building equipment and performs preventive maintenance.	620.281	69
Construction Worker The Construction Worker is involved in structural, finishing or mechanical construction.	869.887	71
Counselor (Career) The Counselor (Career) is involved in helping people in the selection and development of their careers.	045.108	72
Court Reporter The Court Reporter works in the courtroom taking down the testimony of witnesses and other information exchanged in the courtroom.	202.388	74
Cryptographic Technician The Cryptographic Technician deciphers and enciphers messages.	208.588	76
Dental Assistant The Dental Assistant assists the dentist in labwork.	079.378	78
Detective The Detective is employed as a researcher for investigating, collecting and compiling information.	376.268	79
Diesel Mechanic The Diesel Mechanic performs preventive maintenance and repair work on diesel engines.	625.281	81
Diver The Diver is trained to swim and dive to make investigations for scientific research.	899.281	83
Electric-Motor/Repairman (Electrician) The Electric-Motor/Repairman (Electrician) repairs electrical motors, generators, and related equipment.	721.281	84
Electrician The Electrician works with circuits and wire installations to hook up homes and buildings with electrical power.	824.281	85
Electrician (Aviation) The Electrician (Aviation) does the final checkout of radio, radar electronic guidance and wiring systems of an aircraft.	825.281	87
Electronics Mechanic The Electronics Mechanic calibrates electronic devices.	828.281	89

	D.O.T. No.	Page No.
Electronic Technician (EDP) The Electronic Technician (EDP) repairs and tests electronic components on automated data processing machines.	003.081	91
Electronics Technician (General) The Electronics Technician (General) performs electronic repair on a wide variety of electronic units.	726.281	92
Electronics Technician (Missiles) The Electronics Technician (Missiles) tests and repairs electronic components of missile systems.	726.281	94
Engineering Equipment Mechanic The Engineering Equipment Mechanic repairs engineering equipment and performs maintenance.	620.281	96
Fireman The Fireman assists in the fighting of fires.	373.884	98
First Aid Attendant The First Aid Attendant assists in hospital duties.	354.878	99
Guard The Guard enforces rules and regulations according to set codes.	372.868	101
Hydraulic Tester (Aviation) The Hydraulic Tester (Aviation) tests and adjusts aircraft hydraulic units.	621.281	103
Illustrator The Illustrator draws pictures for magazines, and catalogues using colors and materials of all types.	141.081	104
Inspector (Munitions) The Inspector (Munitions) works with explosives.	737.387	106
Inspector (Police) The Inspector (Police) protects the lives and property of citizens.	375.268	108
Instrument Repairman The Instrument Repairman services and repairs instruments used to analyze, record and control product output.	711.884	109
Keypunch Operator The Keypunch Operator puts information on cards for computer and keypunch machines.	213.582	111
Kitchen Supervisor The Kitchen Supervisor supervises food preparation.	310.138	113
Lineman The Lineman reads circuit diagrams and installs wire systems.	822.381	114
Lithographer (Photographer) The Lithographer (Photographer) transposes prints from metal plates to receptive type paper.	972.382	116
Machinist The Machinist sets up and operates most kinds of machine tools.	600.280	117
Medical Laboratory Assistant The Medical Laboratory Assistant assists in laboratory research.	078.381	119
Medical Records Clerk The Medical Records Clerk maintains hospital records of patients and enters progress reports of case histories.	249.388	121
Metal Finisher The Metal Finisher works with metal and tools to fashion articles.	705.884	122
Missile Mechanic The Missile Mechanic is an electronic mechanic who specializes in the maintenance and repair of missiles.	828.281	124
Motion Picture Projectionist The Motion Picture Projectionist works with radio, tv films, and other audio-visual materials.	960.382	126
Motor Boat Operator The Motor Boat Operator operates motor-driven boats to transport passengers and freight.	911.883	128
Musician The Musician directs, sings with, or plays an instrument with musical groups.	152.048	129
Nuclear Weapons Mechanical Specialist The Nuclear Weapons Mechanical Specialist works with radiological munitions.	632.281	131
Nurse (Aid) The Nurse (Aid) works in a hospital and assists in the care of patients.	355.878	132
Oceanographer The Oceanographer studies oceans and the phenomena which occur.	024.081	134
Office Machine Serviceman The Office Machine Serviceman is familiar with most kinds of office machines and their use.	633.281	134

	D.O.T. No.	Page No.
Offset Pressman The Offset Pressman binds books and runs a printing machine to produce printed materials.	651.782	136
Optical Technician The Optical Technician works in an optical lab making glasses and shaping contacts for patients to wear.	711.138	137
Ordnanceman The Ordnanceman inspects, tests, maintains, stores, and prepares ordnance materials.	632.281	138
Personnel Clerk The Personnel Clerk maintains records of personnel activities.	205.368	140
Photographer (News) The Photographer (News) is skilled in the use of photographic equipment.	143.062	142
Plumber The Plumber installs, repairs and maintains systems for water use, heating and sewage disposal.	862.381	143
Post Office Clerk The Post Office Clerk carries and delivers mail in a specific area, and collects and returns it for sorting.	232.368	145
Power Plant Operator The Power Plant Operator runs the power plant equipment and directs others in the operation of generators and gauges.	952.782	147
Power Reactor Operator The Power Reactor Operator operates and maintains electrical and nuclear power systems.	952.380	149
Power Truck Operator The Power Truck Operator handles material using a variety of self-powered trucks.	922.883	150
Programmer (Computer) The Programmer (Computer) outlines a program and feeds it into a computer for solutions to problems.	020.188	152
Pumpman The Pumpman is familiar with the fundamentals of fuel services and the use of gauges and testing equipment to test fuel consumption.	914.885	153
Quartermaster The Quartermaster is a seaman with the ability to use navigational instruments.	911.883	155
Radar Repairman The Radar Repairman operates, maintains and repairs radar equipment used to guide aircraft and seagoing vessels.	828.281	156
Radio and Electrical Mechanic (Aircraft) The Radio and Electrical Mechanic (Aircraft) lays out, assembles and installs radio and electrical systems in aircraft and missiles.	825.381	158
Radio Mechanic The Radio Mechanic tests and repairs radio transmitting and receiving equipment.	823.281	160
Radio-Telegraph Operator The Radio-Telegraph Operator works in a radio station or airport transmitting and receiving messages.	193.282	161
Radiologic Technologist (X-Ray) The Radiologic Technologist (X-Ray) takes x-rays of patients and develops exposed film.	078.368	163
Refrigeration Mechanic The Refrigeration Mechanic is a repairman who handles the maintenance and repair of heating and air-conditioning units.	637.281	165
Reporter The Reporter writes and edits material for a company, magazine, or newspaper.	132.268	167
Secretary The Secretary performs certain office duties as directed by an employer.	201.368	169
Sheriff (Deputy) The Sheriff (Deputy) is a county law enforcement official.	377.868	170
Shipping Clerk The Shipping Clerk works in a shipping department handling incoming and outgoing materials.	222.138	172
State Highway Patrolman The State Highway Patrolman enforces rules and regulations as determined by the written law.	375.268	173
Stock Control Clerk The Stock Control Clerk works in a supplyroom making purchase orders and stocking supplies.	223.387	175
Surveyor The Surveyor paces and measures land with the aid of surveying instruments.	018.188	177
Survival Equipment Repairman The Survival Equipment Repairman inspects, maintains, and repairs aircraft or marine survival equipment.	739.381	178
Systems Analyst (Electronics Processing) The Systems Analyst (Electronics Processing) analyzes problems, determines programs and runs various equipment.	012.168	180

	D.O.T. No.	Page No.
Telegraphic-Typewriter Operator The Telegraphic-Typewriter Operator sends and receives messages on a teletype.	203.588	182
Telephone Operator The Telephone Operator receives, transmits and transfers calls on a switchboard.	235.862	183
Television and Radio Repairman The Television and Radio Repairman repairs radio and tv equipment.	720.281	185
Traffic Manager (Aviation) The Traffic Manager (Aviation) handles air traffic in an airport.	184.168	187
Translator The Translator works as a public relations officer.	137.288	189
Transportation Supervisor The Transportation Supervisor is an office manager who supervises and coordinates the transportation of goods and people.	184.168	190
Truck Driver (Heavy) The Truck Driver (Heavy) operates large vehicles such as trucks or construction equipment.	905.883	192
Truck Driver (Light) The Truck Driver (Light) operates small trucks of all types.	906.883	194
Weather Forecaster The Weather Forecaster studies weather and atmospheric conditions.	025.088	195
Welder The Welder works with metals and tools to weld materials together.	812.884	197

ARMED SERVICES LIFESTYLE

Whether they're saying "look up, be looked up to;" whether they're saying "be someone special;" or whether they're saying "we're looking for a few good men;" . . . today's Armed Services have one thing in common. They're tearing down the old myths and replacing them with the realities of tomorrow. Three of these myths are:

- You can't make it in our society without four years of college
- All the big money is wrapped up in a college degree
- Vocational education is a "second choice" career

These three myths are about as exciting as yesterday's paper. In fact, that's what they really are. Yesterday. Today, college graduates, educators, and informed persons everywhere agree that somewhere along the line this nation shifted from a degree-oriented society to a job-oriented society. It's now estimated that within the next five years 80% of all new jobs will require vocational and technical training, not a college degree.

And that's where the Armed Services come in.

In addition to job security and guaranteed wages, today's Armed Services offer young men and women the opportunity to train for many occupations, most of which are comparable to civilian occupations. Jobs range from electronic technician, mechanic, or construction equipment operator to specialties such as interpreter, pilot or employment counselor. People who enlist usually are taught the skills needed to perform jobs such as these. And, in addition, the Armed Services insures equal opportunity, regardless of race, color, creed, or sex with pay increases and promotions at regular intervals based on the individual's time-in-grade and demonstrated competence.

ENLISTMENT: Enlistment procedures for all branches of the Armed Services are similar with the following exceptions:

- Programs offered by the services differ in length of enlistment and also the opportunities for the selection of specific training and assignments.
- Each service has its own recruiters to interview the prospective military man or woman initially. He is interested primarily in learning as much about the applicant — his or her background, abilities and interests — as possible.
- When the interview of the candidate is completed a trainability-type qualification test follows.
- Applicants born abroad of an American parent or parents are required to provide proof of citizenship. A birth certificate of the applicant, social security card, high school diploma and draft card — if registered with Selective Service — are four important documents needed before enlistment can be completed.
- Prior to enlistment, all applicants must pass a rigid physical examination. They must also qualify on a mental aptitude battery. However, many youths qualify for entry via the Armed Services Vocational Aptitude Battery (ASVAB) in their high school testing program before they arrive at an Armed Forces Examining and Entrance Station (AFEES). Coast Guard applicants are administered the Navy Short Basic Test Battery (SBTB) and must pass a rigid physical examination given at an AFEES, U.S. Public Health Clinic, or Military Base Clinic, depending on which ever is closest.

BASIC TRAINING: Basic, or recruit training is the process by which the Armed Services provide young men and women with the fundamental knowledge required for them to become effective service personnel.

Recruits train in groups of 55-100 men and women. Senior enlisted personnel are placed in charge of these groups — called companies in the Navy and Coast Guard, flights in the Air Force and platoons in the Army and Marine Corps. Recruits normally remain in the same group throughout basic training. Some trainees are appointed to group leadership positions under the close supervision of their instructors. Recruits are given aptitude and classification tests and interviewed by counselors to determine the most desirable assignment they should receive. All services use the tests and interviews to place servicemen and women in appropriate military specialties or career fields. Some branches guarantee specific training options.

Subject to certain restrictions, trainees may receive visitors, attend church services, participate in athletics, attend movies and visit the library. They are permitted limited liberty or passes off the base. After graduation from basic or completion of technical training, they may receive up to two weeks leave.

During training, recruits are normally in pay grade E-1. In some services, recruits are promoted to E-2 after basic training. In other services, there is a longer interval before being promoted.

Physical fitness is achieved through daily calisthenics, competitive sports, swimming and foot marches.

Classes are conducted on service regulations, the handling and care of weapons, military courtesy, rules of conduct, the Uniform Code of Military Justice, personal hygiene, emergency first aid measures, food sanitation and military insignia.

PERSONNEL ASSIGNMENTS AND GENERAL INFORMATION: The types of duty to which a service member may be assigned are determined by: (1) guaranteed training options selected prior to enlistment by eligible applicants; (2) the needs of the service; (3) personal qualifications; (4) the mission of the service; (5) the international situation and; (6) personal wishes. Enlistees may receive assignments within the continental limits of the USA or overseas.

The needs of the service mean that the service must necessarily govern the use of its personnel. Ordinarily, an individual will be assigned to a unit in which his or her military training can be best utilized.

There are certain specific requirements for most types of duty in the U.S. and overseas. Some of them are rank or rating, specialty training, time left on current enlistment, past record in conduct and performance of duty, and eligibility for transfer based on completion of a duty assignment elsewhere.

Each service rotates personnel periodically from one duty station to another. Individuals may be given their choice of duty and duty station providing such a choice fits the needs of the service and an opening exists for their rating or specialty.

The length of time to be served overseas is based upon the type and location of duty and whether or not dependents accompany the service member. Tours of duty normally range from one year (without dependents) to three years (with dependents).

Personnel are required to wear appropriate uniforms while on duty, but as a general rule, are permitted to wear civilian clothes during off-duty hours.

Service members, regardless of rank or length of service, earn 30 days of paid leave each year at the rate of two-and-a-half days per month. If the needs of the service permit, the individual is allowed the choice of taking accrued leave all at one time or in portions at different times.

Armed Services regulations require all commanding officers to limit duty and work on Sundays to the extent that all military personnel are allowed to attend the religious service of their choice. Personnel are also excused from duty to attend services of their faiths on weekdays that have the same religious obligation or importance as Sunday.

Protestant, Roman Catholic, and Jewish services are conducted at all major installations. Service members are encouraged to attend denominational services of their choice at nearby civilian churches, synagogues, or other houses of worship.

The Armed Services provide a well-balanced recreational program for all personnel ranging from athletics to motion pictures and from hobby and craft shops to service clubs.

Service personnel get assistance with their financial and personal problems from personal affairs offices, chaplains, legal assistance offices and supporting agencies.

PAY AND BENEFITS

The monthly salary received by military personnel on active duty consists of basic pay plus special pay and allowances for which members of the Armed Services are qualified.

Active duty basic pay is the amount of pay given an individual according to his rank or grade and length of service.

The following table shows the monthly income typical young members can expect during their first enlistment (using pay table effective October 1975):

Grade	Monthly, Under Two Years	Over Two Years
E-1 During Basic	$361.20	
E-2	$402.60	
E-3	$418.20	$441.30
E-4	$435.00	$459.30
E-5	$452.40	$492.60

Remember, single members also receive room and board.

SPECIAL PAY

Special pay is generally awarded individuals in addition to basic pay for one or more of the following reasons: (1)

unusually demanding or hazardous duty; (2) assignment to certain areas outside the continental limits of the U.S., or (3) outstanding proficiency in performance of duty.

Hazardous duty (incentive) pay is given to persons performing duties which involve dangers not encountered in other jobs. Aviation and submarine crewman receive incentive pay based on their grade and length of service. This varies from $50 to $105 for enlisted personnel.

Hostile fire pay in the amount of $65 is authorized during any month in which a member is subject to hostile fire, except in time of war declared by Congress. Proficiency pay is awarded to enlisted personnel for outstanding proficiency in their specialities. Three types of proficiency pay are authorized, varying from $30 to $150, depending on the type.

Sea and foreign duty pay is paid to enlisted personnel while aboard ship or while stationed in certain overseas areas. This pay varies from $8 per month for the lowest enlisted grade to $22.50 per month for persons in the top pay grade.

Diving pay, varying from $65 to $110 per month, is paid to qualified enlisted divers based upon their rating and type of diving duty performed. Parachute pay of $55 per month is paid to enlisted Army personnel on jump status.

Doctors and dentists in the Armed Services receive extra monthly pay based on cumulative service: 0-2 years, $100; 2-6 years, $150; 6-10 years, $250; over 10 years, $350. Additional pay for veterinary and optometry officers is $100 per month.

ALLOWANCES

Allowances are the sums authorized for rations, quarters, clothing, travel and transportation. They assist in meeting some of the expenses incurred as a result of military service.

RETIREMENT PLAN

The Armed Services retirement plan is one of the best in the nation, and most people who retire are still young enough to pursue a second career.

Retirement after 20 years is at ½ basic pay — retirement after 30 years is at ¾ basic pay.

BONUSES AND SPECIAL PAYMENTS

Bonuses are paid to enlisted members who re-enlist within a specified period of time following their discharge from active service. Special reenlistment bonuses up to $12,000 are paid to individuals with critical skills.

Upon separation from the Armed Services or upon re-enlistment, based on the individual's basic pay and allowances, payment will be made to compensate for unused leave, up to 60 days.

MAJOR BENEFITS

The Armed Services competes favorably with civilian employers in both the areas of pay and benefits. Summarized, they include:

- Over $300 a Month While Attending Service School
- 30 Days Paid Vacation Annually Beginning the First Year
- A $20,000 Life Insurance Policy for $3.40 a Month
- Medical Care for Yourself and Your Family
- Dental Care for Yourself
- Living Quarters (or extra money for rent)
- Free Legal Assistance
- 20-year Retirement at 50% of Base Pay
- 30-year Retirement at 75% of Base Pay
- Educational Assistance
- Tax-free Subsistence Allowance
- Base Exchange and Commissary Shopping Privileges
- Family Services
- Survivors Compensation Benefits
- Extra Clothing Allowance
- Special or Hazardous Duty Pay
- Recreational Facilities
- Promotion Opportunities
- Periodic Pay Increases
- Re-enlistment Bonuses

INTANGIBLE BENEFITS

The Armed Services also offer intangible benefits like humanitarian reassignments, re-enlistment opportunities for the base of your choice, and retraining for a new job that you become interested in. In addition, the following facilities or clubs are found on most large military bases:

- Gymnasium-normally complete with basketball, badminton, handball, squash, and paddle ball courts, a weight room, and a sauna bath
- Bowling Lanes and Snack Bar
- Auto Shop — usually has tools available for check out
- Housing — Family, Bachelor, and Guest
- Personnel Services Supply — outdoor equipment available to military personnel
- Chapel — Worship Services For Most Denominations
- Family Services Center
- Legal Assistance Office
- Nursery
- Veterinarian

- Cafeteria and Snack Bar
- Bank
- Shoe Repair Shop
- Post Office
- Post Taxi or Bus
- Aero Club
- Car Clubs
- Wives Club
- Tennis Courts
- Golf Course
- Swimming Pools
- Theatres
- Picnic Areas
- Commissary
- Base Exchange
- Arts and Crafts Shop
- Craft Sales Shop
- Hospital
- Scouting Program
- Youth Center
- Base Schools
- Education Center
- Service Station
- Credit Union
- Base Newspaper
- Library
- Clothing Sales Store
- Museum
- Rod and Gun Club
- Non-Commissioned Officers and Enlisted Mens' Club

EFFECTIVE OCTOBER 1, 1975

SALARY PER MONTH (BASED ON RATE AND YEARS IN SERVICE)

PAY GRADE	UNDER 2	2	3	4	6	9	10	12	14	16	18	20	22	24
OFFICERS														
0-10	2841.00	2040.90	2940.90	2940.90	2940.90	3053.70	3053.70	3287.70	3287.70	3522.90	3522.90	3758.40	3758.40	3992.70
0-9	2517.90	2584.20	2639.10	2639.10	2639.10	2706.00	2706.00	2818.20	2818.20	3053.70	3053.70	3287.70	3287.70	3522.90
0-8	2280.60	2349.00	2404.80	2404.80	2404.80	2584.20	2584.20	2706.00	2706.00	2818.20	2940.90	3053.70	3176.10	3176.10
0-7	1894.80	2024.10	2024.10	2024.10	2114.40	2114.40	2237.40	2237.40	2349.00	2584.20	2761.80	2761.80	2761.80	2761.80
0-6	1404.60	1543.50	1644.00	1644.00	1644.00	1644.00	1644.00	1644.00	1699.80	1968.90	2069.70	2114.40	2237.40	2426.10
0-5	1123.20	1319.40	1410.30	1410.30	1410.30	1410.30	1453.50	1530.90	1633.20	1755.90	1856.70	1912.50	1979.70	1979.70
0-4	947.10	1152.60	1230.30	1230.30	1252.50	1308.30	1397.10	1476.00	1543.50	1610.70	1655.40	1655.40	1655.40	1655.40
0-3	880.20	983.70	1051.50	1163.70	1219.20	1263.30	1330.80	1397.10	1431.30	1431.30	1431.30	1431.30	1431.30	1431.30
0-2	767.10	838.20	1006.60	1040.40	1062.30	1062.30	1062.30	1062.30	1062.30	1062.30	1062.30	1062.30	1062.30	1062.30
0-1	666.00	693.30	838.20	838.20	838.20	838.20	838.20	838.20	838.20	838.20	838.20	838.20	838.20	838.20
OFFICERS WITH 4 YEARS' ENLISTED SERVICE														
0-3	0	0	0	1163.70	1219.20	1263.30	1330.80	1397.10	1453.50	1453.50	1453.50	1453.50	1453.50	1453.50
0-2	0	0	0	1040.40	1062.30	1095.90	1152.60	1197.30	1230.30	1230.30	1230.30	1230.30	1230.30	1230.30
0-1	0	0	0	838.20	894.90	928.20	961.80	995.40	1040.40	1040.40	1040.40	1040.40	1040.40	1040.40
WARRANT OFFICERS														
W-4	896.40	961.80	961.80	983.70	1028.70	1073.70	1118.70	1197.30	1252.50	1296.90	1330.80	1374.90	1420.80	1530.90
W-3	815.10	884.10	884.10	894.90	905.70	972.00	1028.70	1062.30	1095.90	1128.60	1163.70	1208.40	1252.50	1296.90
W-2	713.70	771.90	771.90	794.40	838.20	884.10	917.40	950.70	983.70	1018.20	1051.50	1084.80	1128.60	1128.60
W-1	594.60	681.90	681.90	738.60	771.90	805.50	838.20	872.70	905.70	939.30	972.00	1006.80	1006.80	1006.80
ENLISTEDS														
E-9	0	0	0	0	0	0	1018.50	1041.60	1065.30	1089.90	1113.90	1135.80	1195.80	1311.60
E-8	0	0	0	0	0	854.70	878.40	901.80	925.50	949.50	971.70	995.70	1053.90	1171.80
E-7	596.70	643.80	667.80	691.20	715.20	737.40	760.80	784.80	820.20	843.30	867.00	878.40	937.50	1053.90
E-6	515.40	561.90	585.30	609.60	632.70	656.10	679.80	715.20	737.40	760.80	772.80	772.80	772.80	772.80
E-5	452.40	492.60	516.30	538.80	573.90	597.30	621.30	643.80	656.10	656.10	656.10	656.10	656.10	656.10
E-4	435.00	459.30	486.00	524.10	544.50	544.50	544.50	544.50	544.50	544.50	544.50	544.50	544.50	544.50
E-3	418.20	441.30	459.00	477.00	477.00	477.00	477.00	477.00	477.00	477.00	477.00	477.00	477.00	477.00
E-2	402.60	402.60	402.60	402.60	402.60	402.60	402.60	402.60	402.60	402.60	402.60	402.60	402.60	402.60
E-1	361.20	361.20	361.20	361.20	361.20	361.20	361.20	361.20	361.20	361.20	361.20	361.20	361.20	361.20

EDUCATIONAL OPPORTUNITIES

The five Armed Services maintain nearly 300 technical and specialty training schools. Combined, they offer over 1,000 separate courses of instruction. More than 300,000 students graduate yearly. In addition to this, however, the Armed Services also offers a variety of on-base self-study, and off-base educational opportunities. The following programs are representative of some of these opportunities:

- **TUITION ASSISTANCE PROGRAM** . . . The Tuition Assistance Program is available to all active duty service personnel except officers within two years of controlled separation. It pays up to 75% of tuition fees for off-duty study at accredited schools. Studies may lead to a bachelor's or advanced degree, and the program is available on most military bases.
- **GENERAL EDUCATION DEVELOPMENT PROGRAM (GED)** . . . The GED program is available to all active duty military personnel. It provides academic and vocational-technical services at little or no cost. Counseling and testing are free. GED is available all over the world with no obligations.
- **THE COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)** . . . This rapidly expanding program allows servicemen to complete selected college courses by examination only. The program is free and the base education services center maintains a current list of college courses applicable to the CLEP program.
- **THE COMMUNITY COLLEGE OF THE AIR FORCE (CCAF)** . . . CCAF awards semester-hour credit for course completions at the technical training centers as well as four semester-hours credit for completion of basic training. The college also offers airmen the opportunity to earn a career education certificate. This certificate parallels a junior college associate in technology degree. To complete the certificate, students must supplement their training by registering for off-duty or university courses. When they do, the Air Force pays up to 75% of their tuition. A minimum of 64 semester-hours are required to earn a certificate. There are over 80 post-secondary career education majors in the Community College Of The Air Force. They fall in the following fields: administration and management, aircraft maintenance, communications, crafts and trades, distribution services, electromechanics, health care services, and public services.
- **THE AIRMEN EDUCATION AND COMMISSIONING PROGRAM (AECP)** . . . The Airmen Education and Commissioning Program gives airmen the opportunity to become officers by completing their degrees as well as a 3-month officer training school. A highly competitive program, it is available to airmen with specific college degrees as well as those without. Airmen with degrees may apply directly for the officer training school. Airmen without degrees who are selected for the program attend college with the Air Force paying all tuition and fees as well as the airman's regular monthly salary, subject to Congressional approval. Following graduation, the airman attends the officer training school.
- **THE AIR FORCE INSTITUTE OF TECHNOLOGY (AFIT)** . . . AFIT coordinates graduate study (masters and doctorate programs) for officers. It also provides resident training in engineering and logistics, offers advanced courses in the technical fields, and coordinates the Air Force-Industry Exchange Program whereby selected officers work with an industry whose products or skills are applicable to the Air Force.

- **THE EXTENSION COURSE INSTITUTE (ECI)** . . . The Extension Course Institute is the Air Force's correspondence school. It offers nearly 400 courses to some 250,000 students who register for ECI courses annually. These courses include everything from fundamentals to solid state devices to apprentice carpentry. Many Air Force personnel enroll in courses like auto mechanics, plumbing, carpentry or electrical wiring simply for background knowledge. The courses are free, open to both officers and airmen and are administered through the Base Education Services Center.
- **ARMY HELP FOR EDUCATION AND DEVELOPMENT (AHEAD)** . . . is a new concept in cooperative education which allows young people to start college at the same time they enter the Army. More than 12,000 colleges, universities, and vocational technical schools voluntarily participate in the program providing soldier-students academic counseling, centralized record keeping of credits earned while in the service, and liberal accreditation of military training and experience. While in the Army, soldier-students earn credits through CLEP, subject examinations, and courses taught by accredited colleges right on the installation with the Army paying up to 75% of the tuition and fees. After completion of active duty, the veteran returns to the "home" college to complete his education with federal, public, or private financial aids.
- **WALTER REED ARMY INSTITUTE OF NURSING (WRAIN)** Is a nursing program for high school graduates between 17-23 who have been accepted by an accredited four-year college. Army personnel receive E-1 pay and books and tuition are paid. Two years are spent at accredited schools and two at Walter Reed Army Medical Center. Personnel serve three years after receiving this degree.
- **ARMY STUDENT NURSE PROGRAM (ASNP)** . . . is a program for nursing students in their last 24 months of

schooling. In addition to pay as a private first class, students receive pay for books and tuition. Applicants must not have reached their 25th birthday at date of enrollment and agree to serve three years in the Army Nurse Corps upon graduation.

- **REGISTERED NURSE PROGRAM (RNSP)**... is a program for students at an accredited university or college offering a bachelor's or master's degree in nursing. Applicants must be able to complete this program in 24 months or less. During this time they will receive officer's pay and upon graduation serve 24 months as an officer if they went to school 12 months; serve 36 months if they went to school 24 months.
- **ELECTRONICS TECHNOLOGY COURSE (COAST-GUARD)** . . . The Advanced Electronics Training Program For Enlisted Personnel prepares a Coast Guardsman for duty as an engineer's assistant. To be eligible an enlisted man must be serving in second or subsequent enlistment and in pay grade E-6 or above in one of the following ratings: AE, AT, EM, EN, ETN, ST, TT, and FT; be a high school graduate or equivalent; be not more than 32 years of age; be physically qualified; agree to 6 more years of service; and be recommended by his commanding officer.
- **TUITION ASSISTANCE PROGRAM (COAST GUARD)** . . . The Coast Guard sponsors a tuition assistance program for off-duty education. Tuition is paid by the Coast Guard for all courses not in excess of six credits per semester (or quarter) or for any course not extending beyond one semester or a maximum of 17 weeks, whichever is longer.
- **PHYSICIAN'S ASSOCIATE PROGRAM (COAST GUARD)** . . . The Physician's Associate Program is a two year, full time course of study at the Duke University Medical Center, Durham, N.C. Upon successful completion, the Coast Guard graduates receive their certificates as physician's associates and a direct commission as CW02. To be eligible an enlisted person must be serving in second or subsequent enlistment in pay grade E-5 and above and must be a hospital corpsman; must be a high school graduate or its equivalent; must have successfully completed an accredited post-secondary school; must have qualified on the scholastic aptitude tests; must be willing to have six more years of obligated service; and must be recommended by their commanding officer.
- **MARINE CORPS ENLISTED COMMISSIONING EDUCATION PROGRAM (MECEP)** . . . provides an opportunity for outstanding enlisted men and women on active duty to obtain a baccalaureate degree by attending a college or university as a full-time student in areas other than Engineering, Mathematics, or the Sciences. Those who successfully complete the program are commissioned as Second Lieutenants in the Marine Corps. The eligibility requirements are as specified for the Navy Enlisted Scientific Education Program.
- **DEGREE COMPLETION PROGRAM FOR STAFF NON-COMMISSIONED OFFICERS** . . . provides selected Marine SNCO's with the opportunity to earn a bachelor's degree by attending a college or university as a full-time student. To be eligible, an applicant must be in the grades of a Sergeant selected for staff sergeant through first sergeant/master sergeant. He must have 2 years advance standing toward a bachelor's degree and must be accepted by a regionally accredited degree granting college or university. Participants will receive regular allowances and pay. In addition, the Marine Corps will cover the cost of tuition, textbooks and fees.
- **THE NAVY CAMPUS FOR ACHIEVEMENT (NCFA)** . . . NCFA is an education management system that helps Navy students focus on their educational goals and to enroll in colleges or vocational and technical schools. NCFA allows navymen and women to obtain credit toward academic degrees or professional certificates and diplomas by combining education, training and work experience received in both the civilian and military environments. An important feature of the NCFA is that it enables many college students to accumulate credits even though they're transferred to another geographical location.
- **NAVY ENLISTED DIETETIC EDUCATION PROGRAM (NEDEP)** . . . This program offers qualified men and women up to three years of college, a bachelor's degree in medical dietetics and a commission in the Medical Service Corps. You must be a high school graduate, under 26 years of age and have served at least one year active duty in any rate or rating to be eligible. You must have completed at least 32 semester credits in college.
- **NAVY ENLISTED NURSING EDUCATION PROGRAM (NENEP)** . . . This four year nursing scholarship program is open to men and women petty officer hospital corpsmen and dental technicians. Selectees must be high school graduates, accepted at an accredited school of nursing. Upon graduation, they are appointed Ensign, Nurse Corps, USNR.
- **NAVY ENLISTED SCIENTIFIC EDUCATION PROGRAM (NESEP)** . . . NESEP offers qualified persons up to four years of uninterrupted, fully subsidized college education in any of 18 major fields of science. A bachelor's degree and a commission in the regular Navy or Marine Corps are the initial rewards. Minimum obligated service for a commissioned NESEP graduate is five years. Petty officers selected for NESEP receive full pay, allowances, and benefits while attending one of 22 civilian colleges or universities connected with the program. Eligibility rules are rigid, however, and you must be recommended by your commanding officer.
- **PROGRAM AFLOAT COLLEGE EDUCATION (PACE)** . . . This program is designed for the sailor at sea. Several colleges and universities conduct accredited courses for ship's crews combining filmed lectures while at sea and classroom instruction with ship-riding college professors. A study guide, complete with written assignments, goes to sea with the sailor. Grades become part of the college records and the students receive a transcript of their complete work. PACE is available to all ships that have a minimum of ten students.
- **SELECTIVE TRAINING AND RETENTION PROGRAM (STAR)** . . . This program is for the young man or woman who has what it takes to become a petty officer early in his or her first enlistment. It offers the first-term navyman or woman an opportunity for guaranteed basic and advanced technical school training, career designation and automatic advancement to petty officer second-class. STAR is for Navy personnel satisfied with the occupational area they are working in, but

who desire advanced professional schooling, financial rewards, and other benefits of continuing a career in the Navy. Candidates must be in the regular Navy, or Naval Reserve on active duty with at least two, but not more than four years continuous active service. A reenlistment bonus is available to STARS. They may also earn proficiency pay — extra monthly pay for highly skilled navymen and women in priority ratings.

AIR FORCE

The U.S. Air Force, which includes air combat and service forces, is organized, trained and equipped for prompt and sustained combat operations in the air. There are over 570,000 men and women serving on active duty, and a ready reserve of approximately 150,000 personnel in the Air Force Reserve and Air National Guard. The primary responsibilities of the Air Force are to defend the United States against air attack; to gain and maintain air supremacy; to engage and defeat enemy air forces; to control vital air areas; to formulate joint doctrines in coordination with the other services for the country's defense against air attack; to conduct strategic air warfare; to join with other military arms in combined amphibious and airborne operations; to furnish close combat and logistical air support to the Army; to provide air transport for the Armed Services; and to furnish aerial photography.

Today the Air Force has the task of developing new space projects. Research and development of all U.S. military satellites, antisatellite weapons, and military space probes are Air Force responsibilities.

Young persons joining the Air Force may be guaranteed vocational training in the area of their choice as long as they are qualified and there is an opening available. Prior to vocational training, there are six weeks of basic training in San Antonio, Texas, where the new airman receives instruction in citizenship, military customs, academic subjects, and physical fitness.

In order to qualify for the Air Force you must be a physically and morally fit young man or woman. You must have a birth certificate and be between 17 and 27 years old with a high school diploma if you're 17, with or without one if you're older. (High school graduation is always preferred.) You must also have your parents' consent if you're under 18.

Air Force enlistments are four or six year active service terms. Applicants take the Armed Services Vocational Aptitude Battery Test to determine in which of the four areas (mechanical, administrative, general, electronics) the enlistee is qualified to serve.

Training and career field assignments depend upon Air Force requirements related to the enlistee's aptitudes and desires. Under the Guaranteed Training Option, qualified applicants, prior to enlistment, may select training in a specific Air Force specialty with subsequent assignment in the specialty upon successful completion of training. Applicants electing the four-year Guaranteed Training Option have a choice of 141 different specialities. Those electing a six-year Guaranteed Enlistment have the choice of 61 highly skilled specialties. Enlistees electing the six-year enlistment in lieu of the four-year contract are advanced to grade E-3 upon successful completion of the School of Military Science at Lackland Air Force Base, Texas.

Air Force basic training includes: processing, military law, drill, inspections, group living, physical conditioning, customs and courtesies, personal affairs, communicable diseases, career advancement, Air Force organization and history, human relations, illegal and improper use of drugs, security, first aid, marksmanship, ground safety, and basic survival.

After basic military training, all airmen receive technical training either by attending a resident course or by a carefully structured program of on-the-job training beginning at their first duty assignment. During the first term enlistment, an airman can be expected to advance through the semi-skilled level. During an Air Force career, he would also progress through the advanced and superintendent levels. Approximately 85 percent of all new enlistees in the Air Force receive technical training by attending a formal course in residence at one of the five Air Force Technical Training Centers before arriving at their first permanent duty assignment.

The Air Force insures equal opportunity regardless of race, color, creed or sex. The following are typical Air Force career fields open to women as well as men.

- Intelligence
- Photomapping
- Weather
- Aerospace Control Systems Operations
- Communications Operations
- Missile Electronic Maintenance
- Training Devices
- Intricate Equipment Maintenance
- Aircraft Accessory Maintenance

- Audio-Visual
- Munitions and Weapons Maintenance
- Metalworking
- Sanitation
- Fabric, Leather and Rubber
- Transportation
- Supply
- Accounting, Finance and Auditing
- Administrative
- Information
- Special Services
- Band
- Special Investigations and Counter Intelligence
- Security
- Communications Electronics Systems
- Avionics Systems
- Wire Communications Systems Maintenance
- Aircraft Maintenance
- Safety
- Motor Vehicle Maintenance
- Structural/Pavements
- Fire Protection
- Marine
- Food Supply Service
- Procurement
- Computer Systems
- Printing
- Education and Training
- Medical
- Aircrew Protection
- Dental
- First Sergeant
- Missile Maintenance
- Mechanical/Electrical
- Supply Services
- Fuels
- Management Analysis

An airman basic (E-1) is promoted to E-2 upon completion of four months time-in-service. However, airmen who qualify under the six-year enlistment program are promoted directly to E-3 upon completion of basic training (six weeks.) Airmen are promoted to airman first class (E-3) and sergeant (E-4) without competition if they meet the minimum standards for time-in-grade and job performance, and are progressing well in their training. Promotion to airman first class is normally after one year of service and promotion to sergeant occurs at about two year time-in-service point.

Airmen are eligible for promotion to staff sergeant (E-5) and higher grades based on: (1) completion of time-in-grade and time-in-service requirements; (2) completion of required promotion tests; (3) recommendations of commander; and (4) qualifications in appropriate specialty for grade to which promoted. The selection process to staff sergeant and above is competitive and only the best qualified airmen are selected for promotion. The Air Force promotion system provides maximum visability by showing its members exactly how they stand in comparison with their contemporaries and offers equitable opportunity for advancement to all airmen.

The Air Force is composed of a number of major Air Force commands located all over the world. Four examples are as follows:

- **AIR TRAINING COMMAND (ATC)** . . . Everyone entering the Air Force is temporarily assigned to ATC. This command conducts preflight training, primary, and basic flying training, basic military and technical training, etc.
- **STRATEGIC AIR COMMAND (SAC)** . . . Long range and medium bombers are the fist of the Air Force. SAC conducts advanced bomber training of air-crews and maintenance men. SAC bases ring the globe.
- **TACTICAL COMMAND (TAC)** . . . The mission of this command is to hold command of the skies, destroy enemy aircraft, communications, and supplies behind the lines, and support ground units. As with SAC, TAC is located on various bases around the world.
- **MILITARY AIRLIFT COMMAND (MAC)** . . . Big transport planes enable MAC to fly men and supplies wherever needed. There are nearly 88,000 people assigned to MAC installations in 37 countries. Another MAC mission is weather reporting.

For more information about the Air Force, contact your local Air Force recruiter listed in the telephone book.

ARMY

The United States Army is the oldest branch of the nation's Armed Services and operates under the Department of the Army. It has 785,000 men and women on active duty throughout the world. In addition, 400,000 men and women are authorized for the National Guard, and 260,000 are authorized for the Army Reserve.

The ultimate responsibility of the Army is the initiation of military land operations to overcome any enemy that might threaten the United States or its interests in other parts of the world. Nearly half of the Army's combat ready troops are stationed at overseas installations. The Army also helps train the military forces of many friendly countries and supplies them with equipment.

Here at home the Army is often called upon to help in disasters such as epidemics, floods, forest fires, and storms. It coordinates the disaster-relief activities of the Armed Services and constructs and operates many public works including flood-control projects.

Army enlistments are for three, four, five, or six years. In order to qualify, you must have a birth certificate and be physically and morally fit. Men must be between 17 and 35, and have a high school diploma if 17. (If older than 17, a high school diploma is preferred but not necessary.) Parents' consent is necessary if you're under 18.

Women must be between 18 and 35 and have a high school diploma or the GED equivalent.

After enlisting into the Army, the recruit undergoes basic training and advanced individual training. During basic training the recruits learn to fire weapons and how to take care of themselves in difficult combat situations. (Women do not fire weapons.) They also learn military courtesy and discipline and take physical conditioning.

After basic training, the soldier usually attends a school to learn the techniques of the military occupational specialty to which he is assigned. These schools are located on military posts throughout the country. Some schools require only a few weeks training while others give detailed technical training requiring several months. Each soldier is classified by his MOS (Military Occupational Specialty.)

Military Occupational Specialties are grouped into 36 Career Management Fields. These include:

- Administration
- Air Defense Artillery
- Ammunition
- Ballistic Missile Repair
- Chemical
- Combat Missile Maintenance
- Aviation Maintenance
- Air Defense Missile Repair
- Automatic Data Processing
- Band
- Combat Engineering
- Combat Surveillance and Target Acquisition

- Telecommunications and Audio Visual
- Electrical/Electronic Instrument Maintenance
- Exceptional Management Specialties
- Field Artillery Cannon
- Field and Area Communications Maintenance
- Field Artillery Missiles
- Field Services
- Food Services
- Intercept Equipment Maintenance
- Maneuver Combat Arms
- Medical
- Non-Integrated Radar Maintenance
- Power Production
- Supply
- Transportation
- Wire Antenna and Central Office Maintenance
- Fixed Plant Communications Maintenance
- General Engineering
- Law Enforcement
- Mechanical Maintenance
- Military Intelligence
- Petroleum
- Signal Intelligence
- Topographic Engineering and Map Reproduction

The Army offers equal opportunities regardless of race, color, creed, or sex, and all jobs open to men are also open to women except for those that are combat related.

In addition to career training opportunities for more than 300 jobs, the Army also offers a variety of other opportunities. Options available include:

COMBAT ARMS OPTION . . . A man who enlists for combat arms, infantry, armor, or artillery can also choose to serve in Europe, Hawaii, the Panama Canal Zone, Alaska, Korea, or the continental United States.

EUROPEAN OPTION . . . A person who chooses this option will be stationed for at least 16 months with U.S. Army Europe.

HAWAII, PANAMA CANAL ZONE, ALASKA OPTION . . . A guaranteed tour of at least 16 months in any one of these areas.

KOREA ENLISTMENT OPTION . . . This tour is guaranteed for 12 months.

UNITS IN THE UNITED STATES FOR WHICH APPLICANTS MAY ENLIST INCLUDE THE FOLLOWING GEOGRAPHICAL LOCATIONS . . . Ft. Rucker, Alabama; Ft. Riley, Kansas; Ft. Hood, Texas; Ft. Bliss, Texas; Ft. Carson, Colorado; Ft. Bragg, North Carolina; Ft. Lewis, Washington; Ft. Devens, Massachusetts; Schofield Barracks, Hawaii; Ft. Campbell, Kentucky; Ft. Knox, Kentucky; Ft. Benning, Georgia; Ft. Sill, Oklahoma; Presidio of San Francisco, California; Ft. Meade, Maryland; Ft. Dix, New Jersey; Tripler Army Medical Center, Honolulu, Hawaii; Ft. Richardson, Alaska; Ft. Ord, California; Military Academy, West Point, New York; Cameron Station, Alexandria, Virginia; Ft. Myer, Virginia; Ft. Gordon, Georgia; Ft. Leonard Wood, Missouri; Ft. Eustis, Virginia; Ft. Greely, Alaska; Ft. Stewart, Georgia; Ft. Polk, Louisiana; Ford Island, (Honolulu) Hawaii; Edwards AFB, California; ASL Hunter Liggett MET Team, Jolon, California; and Engineers Waterways Experiment Station, Vicksburg, Mississippi.

RESEARCH AND DEVELOPMENT COMMANDS IN THE UNITED STATES FOR WHICH APPLICANTS MAY ENLIST INCLUDE . . . Letterman Army Institute of Research, San Francisco, California; U.S. Army Aeromedical Research Laboratory, Ft. Rucker, Alabama; U.S. Army Institute of Dental Research, Washington, D.C.; U.S. Army Institute of Surgical Research, Ft. Sam Houston, Texas; U.S. Army Medical Bioengineering Research and Development Lab, Ft. Detrick, Maryland; U.S. Army Medical Research Laboratory, Ft. Knox, Kentucky; U.S. Army Medical Research and Development Command, Washington, D.C.; U.S. Army Research Institute of Environmental Medicine, Natick, Massachusetts; U.S. Army Medical Research Institute of Infectious Diseases, Ft. Detrick, Maryland, and Walter Reed Army Institute of Research, Washington, D.C.

CLINICS, MEDICAL CENTERS, AND HOSPITALS IN THE UNITED STATES FOR WHICH APPLICANTS MAY ENLIST INCLUDE THE FOLLOWING GEOGRAPHICAL LOCATIONS . . . Ft. Meyer, Virginia; Ft. Sam Houston, Texas; Ft. Devens, Massachusetts; Ft. Hood, Texas; Ft. Belvoir, Virginia; Carlisle Barracks, Pennsylvania; Denver, Colorado; Ft. Leonard Wood, Missouri; Ft. Knox, Kentucky; Ft. Riley, Kansas; Ft. Lee, Virginia; Ft. Meade, Maryland; Aberdeen Proving Ground, Maryland; San Francisco, California; Ft. Rucker, Alabama; Tacoma, Washington; Ft. Benning, Georgia; Ft. Eustis, Virginia; Ft. Sheridan, Illinois; Ft. Jackson, South Carolina; Ft. Leavenworth, Kansas; Ft. McClellan, Alabama; Ft. Monmouth, New Jersey; Ft. Huachuca, Arizona; Ft. Sill, Oklahoma; Ft. Ord, California; Ft. Dix, New Jersey; Ft. Monroe, Virginia; Ft. Gordon, Georgia; Ft. Benjamin Harrison, Indiana; Ft. Campbell, Kentucky; Ft. Carson, Colorado; Dugway Proving Ground, Utah; Ft. MacArthur, California; Ft. McPherson, Georgia; Ft. Polk, Louisiana; Redstone Arsenal, Alabama; Ft. Stewart, Georgia; El Paso, Texas; Washington, D.C.; and Ft. Bragg, North Carolina.

After completing four months' service, an Army private in pay grade E-1 is advanced to private (E-2). Trainees in top 15 percent of each class may be advanced to E-2 after eight weeks of Basic Combat Training. Additional accelerated opportunity for advancement to grade E-2 and to grade E-3 is provided during Advanced Individual Training.

In order to meet requirements for promotion to grades E-4 through E-6, the individual must: (1) be fully qualified in the Military Occupational Specialty (MOS) in which promotion is to be made; (2) be recommended by his commanding officer; (3) complete the time-in-grade and service requirements; (4) pass the appropriate physical fitness test; (5) obtain a satisfactory promotion qualification score, and (6) have eighth grade education or equivalent for promotion to grade E-5, have a high school diploma or equivalent for promotion to grade E-6. Waivers of certain criteria mentioned above are authorized to allow well-qualified soldiers more rapid advancement.

In addition to the above criteria, selection for promotion to grades E-5 and E-6 requires appearance before a board of officers and non-commissioned officers convened by a commander who has authority to promote to the grade concerned. The number of Army-wide promotions made to grade E-4 through E-6 are controlled monthly by the Department of the Army. Promotions to grade E-7 through E-9 are made by the Department of the Army. Individuals are selected by Army Selection Boards on a best qualified basis, Army-wide, from zones of consideration periodically announced to the field.

For more information contact your local Army representative listed in the yellow pages of your telephone book under Recruiting.

COAST GUARD

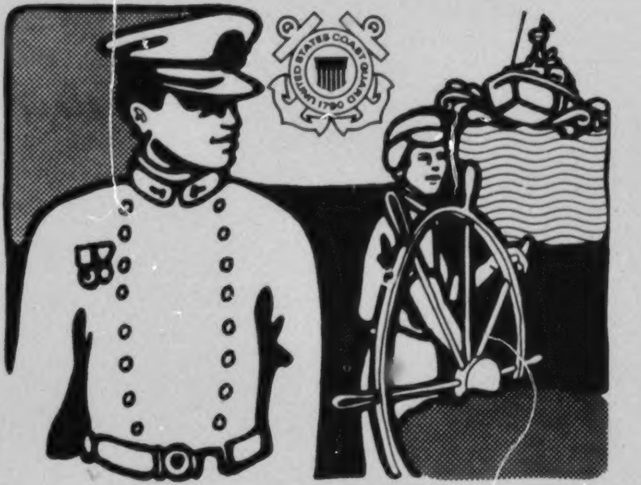
The United States Coast Guard, as a division of the Transportation Department in peacetime and as a highly specialized service in the Department of the Navy during time of war, is the only one of the five Armed Services which does not come under the jurisdiction of the Department of Defense.

Since its creation in 1790, the Coast Guard has grown steadily in size and importance. It now regularly performs many functions vital to maritime safety, in or around American waters. All vessels from small pleasure craft to large commercial ships, count on the Coast Guard in time of distress.

In addition, the Coast Guard performs many complex duties in remote sections of the globe. The fact that these great responsibilities are carried out by a relatively small organization (some 40,000 men and women on active duty) is a tribute to Coast Guard efficiency. The Coast Guard mission breaks down as follows:

- The saving of life and property at sea. The Coast Guard maintains a large fleet of seaworthy vessels worldwide, and strategically positioned air stations equipped with aircraft ranging from helicopters to giant patrol planes.
- The Coast Guard conducts the International Ice Patrol. An area of 40,000 square miles in the North Atlantic is patrolled and information on position and number of icebergs is carefully recorded and relayed to shipping.
- The Coast Guard maintains more than 40,000 navigational aids. Lighthouses, lightships, radio beacons, buoys, and fog signals prevent many shipwrecks and introduce a new element of safety to life at sea and in in the air.
- The Coast Guard protects the marine environment from pollution through enforcement of various federal laws. This mission has received new emphasis in recent years and is now one of the Coast Guard's major responsibilities.
- The Coast Guard maintains the safety and security of our ports and harbors. They manage a wide assortment of vessels and personnel engaged in harbor patrol, pier and terminal inspections, and marine casualty and accident investigations.
- The Federal Boat Safety Act of 1971 charged the Coast Guard with responsibilities relating to regulations and standards for recreational boats in the United States. In addition, The Coast Guard enforces federal law on the navigable waters of the United States and on the high seas. It works in close cooperation with the Customs and Narcotics Bureau, the Department of Justice, and other government agencies. Because of this responsibility, Coast Guardsmen are stationed in certain large foreign seaports such as London, Rotterdam, Bremerhaven, Naples, Athens and Yokohama.

Finally, the Coast Guard is increasingly involved with oceanography and in maintaining a surveillance of foreign fishing activities.



To enlist in the Coast Guard you must be physically and morally fit. Although there are no specific educational requirements for men, the Coast Guard prefers high school graduates. Women must have a high school diploma or the equivalent. Men must be between 17 and 26 and women between 18 and 26. The consent of a parent or legal guardian is required for applicants 17 to 18.

Basic training is held at either Cape May, New Jersey, or Alameda, California. It lasts 9 weeks and includes classes in physical fitness, military drill, seamanship, ordnance, damage control, first aid and personal hygiene, communication, charter education and citizenship, Uniform Code of Military Justice, human relations, Coast Guard history and tradition.

After basic training, most Coast Guardsmen receive technical training either by attending specific training schools or by a carefully structured program of on-the-job training. During their first enlistment Coast Guardsmen can be expected to advance to the level of skilled technician.
The Coast Guard offers equal opportunity regardless of race, color, creed, or sex, and most jobs open to men are also open to women. Coast Guard career fields include the deck and ordnance group, hull and engineering group, aviation group, and administration and scientific group. Ratings are as follows:

- Boatswain's Mate
- Quartermaster
- Radarman
- Sonar Technician
- Gunner's Mate
- Fire Control Technician
- Damage Controlman
- Machinery Technician

- Electronics Technician
- Electrician's Mate
- Electronics Technician (Communications)
- Telephone Technician
- Aviation Machinist Mate
- Aviation Survivalman
- Aviation Electronics Technician
- Aviation Electrician's Mate
- Marine Science
- Yeoman
- Storekeeper
- Radioman
- Photo-Journalist
- Subsistence Specialist
- Hospital Corpsman
- Dental Technician
- Port Securityman (CG Reserve Only)

Coast Guard enlistments are for four years active duty. Under the Coast Guard's Guaranteed School Program qualified applicants can be guaranteed their choice of a specific occupational training program, in writing, before they ever enlist (provided class openings are available). Qualified applicants may also enlist up to six months prior to commencing active duty. Those persons who have special training in skills needed by the Coast Guard can enlist under an advanced promotion program whereby they will be promoted to pay grade E-4 or E-5 immediately after recruit training. From time to time applicants can be guaranteed their choice of where they serve their first tour of duty.

A Coast Guard seaman recruit (E-1) is promoted to seaman apprentice (E-2) upon completion of basic training.

Eligibility for promotion to seaman or fireman (E-3) is based on four requirements: (1) adequate time-in-grade; (2) successful demonstration of military and professional qualifications; (3) recommendations of the commanding officer; and (4) completion of correspondence courses.

In order that you may advance rapidly to better pay and more responsible positions, the Coast Guard provides four different ways to advance to petty officer status.

- You may enlist under the Guaranteed School Program and have a written guarantee of assignment of a specific basic petty officer school before you go to recruit training.
- You may decide upon the specific petty officer school while in recruit training and qualify for it then.
- You may wait until after recruit training to get more general knowledge of the Coast Guard and then decide which school you want.
- You may "strike" for petty officer status by actually performing on-the-job duties, completing correspondence courses in your chosen specialty, and passing a written examination.

After attaining petty officer status, advancement is based on a service-wide system of competition where each man competes with his peers for the available positions. The service-wide system of competition guarantees that if a man is qualified he will be promoted regardless of whether his particular unit needs an individual in the next higher pay grade or not.

The Coast Guard also has an accelerated program whereby those men possessing special training in needed skill areas are promoted to E-4 or E-5 immediately after recruit training.

For more information about the Coast Guard, contact your local Coast Guard recruiter listed in the telephone book. Information is also available by writing to: Commandant (G-PMR), U.S. Coast Guard, Washington, D.C. 20590.

MARINE CORPS

The United States Marine Corps, a separate branch within the Department of the Navy, is especially trained and organized for amphibious landing operations. Marine assault troops, supported by air units, attack and seize enemy beachheads and bases. As the nation's amphibious force, Marines in many strategic parts of the world stand alert to speed to any trouble spot. A well-known military saying is "The Marines have landed, and the situation is well in hand." Marines have been the first to fight in almost every major war of the United States. Since 1775, these "soldiers of the sea" have grown from two battalions of sharpshooters into a combat organization of highly mobile ground divisions and air wings. Marines have made hundreds of landings on foreign shores, and have served from the polar regions to the tropics.

The Marine Corps maintains fleet Marine forces of combined air and ground units to seize and defend advance bases, and for land operations that are carried out as part of a naval campaign. It develops the tactics, techniques, and equipment for the amphibious landing operations. The Corps provides detachments for service aboard warships and for the protection of Naval bases and stations. It guards U.S. embassies, legations, and consulates in other countries, and performs such other duties as the President may direct.

To enlist in the Marine Corps you must be able to pass minimum physical requirements, be a U.S. citizen or a permanent resident alien, of high moral character, at least 18 years of age (17 with parents' consent), able to pass the necessary mental exams, and found acceptable after being interviewed by the recruiting officer.

You will need a birth certificate and, if a woman, a high school diploma or GED certificate. (High school graduation is also preferred for men, although not required.)

Marine Corps basic training (boot camp) lasts 11 weeks and will be in either Parris Island, South Carolina, or San Diego, California. Basic training is designed to toughen the recruit, mentally and physically, and to instruct him in military tradition, combat skills, and classroom subjects. After basic training has been completed, the recruit will be assigned to any one of several occupational fields. (Male Marines can perform in over 540 military jobs, and women Marines in over 350.) Enlistment options include:

COMBAT ARMS . . . If you choose combat arms as an option program, your training will take you into one of the basic areas that make up this field: infantry, field artillery, or tank and amphibian tractor. There is a $2,500 bonus for enlisting in the combat arms enlistment program. Public law prohibits women Marines from selecting this program.

COMBAT SUPPORT . . . If you choose this option, your training could take you into one of several interesting and exciting occupational areas. For instance, you might become a combat engineer, shore-party man, or artillery fire direction man.

ADMINISTRATIVE . . . It's the administrative specialists who keep the Corps running at peak efficiency. They make sure personnel and equipment are at the right place at the right time. You can become proficient with equally important tools like the teletype, key punch, accounting machines or even court reporting equipment. The administrative program covers a broad range of skills including personnel administration, intelligence work, legal court reporting and postal administration.

SUPPLY, LOGISTICS, AND DISBURSING . . . You could learn the skills of inventory control, purchasing, stock handling, and shipping. Or you might be doing things like preparing pay records and travel vouchers and keeping financial books and records.

MECHANICAL/ELECTRICAL . . . You could learn to be a mechanic or body repairman. Or, you might end up an ammunition technician, lineman, or driver.

RADIO COMMUNICATIONS . . . Communications tie the world together, from the radio operator on a beach to the large communications center at headquarters. You could be the link in this vital chain. Or, transmitting or decoding information could be your job if you choose this program.

ELECTRONICS . . . The range of jobs you can be trained for in this program varies from the telephone-teletype technician to the technician who repairs and calibrates precision electronic and optical test instruments. All jobs call for a high degree of skill and accuracy. An enlistment bonus under the expanded enlistment bonus program is available to qualified applicants who enlist for selected electronic skills.

FOOD SERVICES . . . Besides getting the best food in the world, the Corps has some of the best cooks and bakers. You could be one of them if food services is your option.

COMPUTER OPERATIONS . . . With computers you would plan, operate and coordinate complex accounting systems; communicate, keep track of personnel, predict future budgets and force strengths and review and analyze service documents.

MILITARY POLICE AND CORRECTIONS . . . If police work or corrections training sounds interesting, military police and corrections would be the option program that's perfect for you.

Marine aviation also has a wealth of opportunities to include technical aviation schooling, aircraft duty with the U.S. fleet, service with jet, transport and helicopter squadrons, and advancement in pay, rank and responsibilities. If you choose aviation, after you complete your basic training, you are assigned to technical training from 5 to 34 weeks at Memphis, Tennessee; Cherry Point, North Carolina; and Pensacola and Jacksonville, Florida, in one of the following fields:

AVIATION TECHNOLOGY . . . The Aviation Technology Option Program would offer you an opportunity as an avionics specialist to be involved in the maintenance and repair of electrical and electronic devices used in aviation.

AIRCRAFT MAINTENANCE/ORDNANCE . . . Jet engine mechanic, machinist, helicopter mechanic are just some of the highly trained specialists turned out by the Aircraft Maintenance/Ordnance Training Programs.

AVIATION ADMINISTRATION AND SUPPORT . . . When an emergency strikes, you could be one of the crashcrewman who demonstrates their cool by saving the day. If a plane gets into trouble, your job is to rescue the pilot, control and extinguish fires and secure the area.

In the Marine Corps, opportunities are equal regardless of race, color, creed, or sex. Pay and benefits are the same for men and women, and women can serve in almost all the occupations that men do with the exception of those that are directly combat-related. A summary of occupational fields open to women includes: personnel and administration; intelligence; logistics; utilities; construction, equipment and shore party; drafting, surveying and mapping; operational communications; tele-communication maintenance; supply administration and operations; transportation; repair services; auditing, finance and accounting; motor transport; data systems; Marine Corps exchange; public affairs; armament repair; legal services; photography; training support; band; military police and corrections; electronics maintenance; avionics; air control; weather service; aviation operations.

The manner in which a Marine performs his duty and accepts his responsibilities are the primary factors affecting his advancement. Outstanding recruits can be promoted from private (E-1) to private first class (E-2) upon graduation from recruit training. Other privates can be promoted after they have six months service.

Promotion from private through corporal is governed by the unit commanding officer. Promotions beyond these grades are competitive and are based on evaluation of each Marine's performance. Normal time-in-grade requirements for above lance corporal varies. Current requirements are seven months to corporal (E-4) and then ten months to sergeant (E-5). Time-in-grade requirement for promotion to staff sergeant (E-6) and above varies according to the needs of the Marine Corps.

For more information about the Marine Corps, contact your local Marine Corps recruiter listed in the telephone book. Information is also available by writing the Commandant of the Marine Corps, Code MMRE-7, Headquarters Marine Corps, Washington, D.C. 20380.

NAVY

The United States Navy is the branch of the Armed Services that maintains control of the seas. In time of peace, the Navy often serves as an instrument of international relations. The very presence of naval vessels may be helpful in keeping a crisis from flaring into war. Navy ships also speed on errands of mercy, such as carrying food and medical supplies to disaster areas. Merchant vessels and passenger ships often call on the Navy for help in emergencies. In addition, there are the men and women of the Naval Reserve who, in their spare time keep themselves trained for service at a moment's notice. They stand ever ready to augment the active duty fighting men of the fleet in case of a national emergency.

In time of war, the Navy can engage and destroy the enemy on, under or above the sea. If attacked, it can return the blow almost anywhere on earth from its warships. Navy task forces can carry naval aircraft to any danger point. Powerful naval submarine forces can travel around the world under water. Any enemy that might attack the United States must expect counterblows from these submarines, whose exact locations cannot be pinpointed in advance.

To perform its functions efficiently, the Navy has many types of ships, including aircraft carriers, cruisers, frigates, destroyers, submarines, and amphibious type ships. These fighting ships depend on the service of ammunition ships, mine layers and mine sweepers, oilers, repair ships, supply ships, tugs, and others. Both fighting ships and service ships rely on a shore organization including naval bases, shipyards, docks, naval air stations, schools, supply activities, repair activities, and others.

The Navy operates under the Department of the Navy. It has a strength of almost 600,000 men and women. The Department of the Navy also maintains the U.S. Marine Corps and employs many civilians around the world.

A young person joining the Navy has a chance to see much of the world. But in addition, a first enlistment often prepares a young man or woman for both a Navy career and a civilian job. The Navy offers equal opportunities regardless of race, color, creed, or sex, and navy technical schools are noted for the excellence of the education they provide. There are over 70 of these schools that specialize in the fundamentals of the various Navy occupations and give more advanced training so that ambitious Navy people may have the opportunity to further develop their qualifications for promotion.

Occupational fields include operations analysis, operations controls, graphics, administrative, supply and accounting, food preparation, electrical, ordnance, medical, dental, general mechanical, precision mechanical, mechanical fabrication, aviation maintenance, aviation electronics, communications and linguistics, electronics, and construction.

To enlist in the Navy, you must be between 17 and 30. The consent of a parent or legal guardian is required if you are under 18. You may be either single or married.

You must also be able to pass established mental and physical qualifications and be morally fit, a U.S. citizen or, if an immigrant, possess an immigration and naturalization form.

You will need a birth certificate and, if you're a woman a high school diploma or its equivalent. (High school graduation is also preferred for men although not required.)

Within a few hours after enlisting for active duty in one of the many enlisted fields you will be on your way to a Navy Recruit Training Center for basic training and career guidance. You will either be sent to Great Lakes, Illinois, San

Diego, California, or Orlando, Florida. (All women attend basic training at Orlando.) Upon arrival you will be assigned to a company of new recruits and you will receive a full sea bag — all the uniforms and equipment necessary — and for the next several weeks you will live, eat, train and work together as a unit under the close supervision of a petty officer instructor who will guide you through to graduation. After graduation, depending on the aptitudes, educational background, and abilities demonstrated prior to and during your initial training period, you will attend an occupational specialty school, go aboard ship, or be transferred to a shore station or base either in the United States or overseas.

The following is a list of Navy job specialities (occupational fields in the Navy are called Navy "ratings.")

- Aerographer's Mate
- Air Controlman
- Aircrew Survival Equipmentman
- Aviation Ordnanceman
- Aviation Boatswain's Mate
- Aviation Storekeeper
- Aviation Antisubmarine Warfare Operator
- Aviation Antisubmarine Warfare Technician
- Aviation Electronics Technician
- Aviation Fire Control Technician
- Aviation Maintenance Administrationman
- Aviation Structural Mechanic
- Aviation Support Equipment Technician
- Aviation Electrician's Mate
- Aviation Machinist's Mate
- Boatswain's Mate
- Boilermaker
- Boiler Technician
- Builder
- Communications Technician
- Construction Electrician
- Construction Mechanic
- Data Processing Technician
- Data Systems Technician
- Dental Technician
- Disbursing Clerk
- Electrician's Mate
- Electronics Technician
- Electronic Warfare Technician
- Engineering Aid
- Engineman
- Equipment Operator
- Fire Control Technician
- Gas Turbine System Technician
- Gunner's Mate
- Hospital Corpsman
- Hull Maintenance Technician
- Illustrator-Draftsman
- Interior Communications Electrician
- Instrumentman
- Intelligence Specialist
- Journalist
- Legalman
- Lithographer
- Machinery Repairman
- Machinist's Mate
- Master-At-Arms
- Mess Management Specialist
- Missile Technician
- Musician
- Mineman
- Molder
- Navy Counselor
- Ocean Systems Technician
- Opticalman
- Operations Specialist
- Patternmaker
- Personnelman
- Photographer's Mate

- Postal Clerk
- Quartermaster
- Radioman
- Ship's Serviceman
- Signalman
- Sonar Technician
- Steelworker
- Storekeeper
- Torpedoman's Mate
- Tradevman
- Utilitiesman
- Yeoman

Highly motivated high school graduates or individuals who have education beyond the high school level may qualify for nuclear propulsion training or advanced electronic training or advanced technical training. These fields call for a six-year enlistment, but offer rapid promotion and over a year's technical training.

Today's Navy offers women more opportunities than ever before. Following 9 weeks of recruit training in Florida, the qualified Navy woman (WAVE) can train to become:

- Aviation Maintenance Administrationman
- Aviation Storekeeper
- Data Systems Technician
- Dental Technician
- Disbursing Clerk
- Draftsman
- Electronics Technician
- Hospital Corpsman
- Illustrator
- Journalist
- Legalman
- Radioman
- Tradevman
- Yeoman

Or, she can choose from most of the other interesting Navy jobs with equally interesting civilian futures. She may be stationed anywhere in the United States or overseas.

Regular Navy enlistment terms are normally for four, five, or six years. A four year enlistment will guarantee a U.S. coast of choice for sea duty. Qualified personnel may request a specialty field with a guarantee of service school training. Advanced pay grades (E-2 and E-3) are available to some vocational school graduates and applicants who have one or two years of junior college, and enlistees in several special programs.

A Navy recruit (E-1) is promoted to seaman apprentice (E-2) upon completion of four months active duty.

Eligibility for promotion to seaman (E-3) is based on four requirements: (1) adequate time in grade; (2) successful demonstration of military and professional qualifications; (3) passing of local examinations; and (4) recommendations of the commanding officer. For advancement in the petty officer ratings (E-4 through E-9) an individual must (1) fulfill the minimum service requirements; (2) complete training, correspondence courses, or service schooling; (3) successfully demonstrate military and professional qualifications; (4) secure the recommendation of the commanding officer; (5) pass the Navy-wide competitive military requirements test for pay grade E-4 and E-5 only. Advancement to E-4 through E-7 is based on a Navy-wide final multiple which is accumulated through points earned for medals and awards, total active service, service in pay grade, performance marks and examination score.

The Navy also has an accelerated program up to and including early advancement to pay grade E-4 for new members who incur a minimum service obligation and complete specified courses of instruction.

For more information contact your local Navy recruiter listed in the telephone book.

ROTC

The ROTC consists of 528 Army, Navy and Air Force units at public and private colleges and universities throughout the country. ROTC training (elective in most institutions) consists of two to five hours of military instruction per week and some summer training periods.

Applicants for the ROTC program undergo a physical examination to determine their eligibility. All examinations are scheduled by the Department of Defense Medical Examination Review Board, U.S. Air Force Academy, Colorado Springs. This joint Armed Services sponsored board is staffed by members of all services.

Advanced ROTC training, during junior and senior college years, is optional, except under the Navy programs, and students must qualify for admission to an advanced course.

ROTC graduates fulfill their military obligation by serving on active duty as regular or reserve officers for stipulated periods of time ranging from three months to two or more years, plus maintaining such reserve association as may be required to complete all military obligations.

- Army ROTC programs are conducted at 290 colleges and universities or branches including nine military junior colleges in the 50 states, Puerto Rico and the District of Columbia. Both a four-year and a two-year program are offered. The four-year program consists of a basic course (freshman and sophomore years) and an advanced course (junior and senior years). The two-year program is for students unable to take ROTC during freshman and sophomore years who may take six weeks of training during the summer prior to their junior year to qualify for the advanced course.

  Students are paid one half of 0-1 pay (under 2 years) per month while attending summer training to qualify for the two-year program. Students selected for the advanced course receive $100 monthly for up to 20 months except during summer training at the end of the junior year when they receive one half of 0-1 pay (under 2 years).

  Some schools offer flight training at no extra cost to interested senior students who can qualify. After graduation flight trainees are considered for entry into Army aviation training.

  Scholarship students must be at least 17, and able to complete requirements by age 25. The minimum age for all other ROTC students is 17, and eligible for commissioning prior to age 28.

  Scholarship students serve an obligated active duty for four years. Flight trainees who enter aviation training serve three years; non-obligated graduates who accept regular Army commissions serve three years. All non-obligated graduates serve from three months to two years active duty based upon needs of the service and personal options available at the time of graduation.

- Navy/Marine Corps ROTC offers a four-year scholarship program at 58 colleges and universities. Upon graduation the midshipman are commissioned as a regular officer in the Navy or Marine Corps. While at school midshipmen students receive $100 per month for maximum of 40 months. Additionally, the Navy pays all tuition and other instructional fees and the cost of textbooks. One-sixth of NROTC graduates can request to be commissioned in the Marine Corps.

  Students who apply are designated finalists on the basis of scores attained on the National College Board tests. Those who qualify on either the SAT or ACT examination are given medical examinations. Those finalists who are successful in the annual national competition are nominated by the Navy to colleges for acceptance as NROTC students in accordance with their indicated preferences. (Acceptance by chosen college as a regular student must initially be accomplished by each applicant.) Upon entering college, scholarship recipients are offered appointments as midshipmen and simultaneously enlisted in the U.S. Naval Reserve. Age limits: 17-21. Active duty obligation: four years.

This program encompasses eight naval science courses on instruction, plus drill periods and three summer training periods. Also, qualified students may participate in a flight indoctrination program which will permit students to obtain a civilian pilot qualification.

- The Navy/Marine Corps ROTC college program is one where the student studies Navy required courses for four years in addition to the curriculum for his college major. He also attends one summer training period. This student is commissioned a reserve officer in the Navy or Marine Corps. Students receive $100 monthly for maximum of 20 months during their last two years. Age limits: 17-21. Active duty obligation: three years.

- The Navy ROTC Two Year Nuclear Propulsion Candidate Scholarship Program was established to provide regular Navy officers who are qualified to pursue nuclear propulsion training immediately after graduation from college. The program is open to matriculated male college sophomores. The prerequisites, which must be completed before graduation from college, include a minimum of two semesters each of college physics and integral calculus, with a "B" average or better. The candidate should have an overall grade average of "B" or better, and a major in mathematics, physical sciences, or one of the engineering disciplines is preferred. The candidate will be administered the Strong Vocational Interest Blank Test and the Officer Aptitude Rating Test, the scores of which will be used as part of the screening criteria.

  Students who complete all the requirements for this program are commissioned as ensigns in the Navy and have a five-year active duty obligation. If selected during their senior year to enter nuclear power, the first year of active duty is spent in intensive, specialized nuclear power training designed to qualify these officers for a challenging assignment aboard a nuclear propulsion vessel.

- Air Force ROTC is conducted at colleges and universities in 46 states, Puerto Rico and the District of Columbia. Students may earn a commission by successfully completing either the two or four-year program.

  The Air Force ROTC offers four-year scholarships to men who are flight qualified (pilot or navigator) and men and women who are seeking specified technical degrees who will be entering their college freshman year. Three and two year scholarships are also available to students already enrolled in Air Force ROTC programs.

The scholarships cover normal tuition, laboratory expenses, incidental fees, reimbursement for textbooks, and a $100 non-taxable allowance each month while on scholarship status and attending school.

The basic requirement for entry into the two-year program is that the student have two academic years remaining, either at the undergraduate or graduate level, or a combination of both. Entry into the two-year program is on a competitive basis; in addition, a six-week field training course on an Air Force base must be successfully completed before entry into the two year campus program. The two-year program and the last two years of the four-year program are identical in academic context. All cadets enrolled in the last two years of the program receive a non-taxable monthly subsistence allowance of up to $100 a month for 10 months during the school year.

Enrollments are limited to cadets capable of completing all requirements for a commission prior to reaching age 25 for all scholarship recipients; prior to reaching age 26½ for flight training; and age 30 for non-flying specialities.

Complete information about the ROTC programs can be obtained by writing to:

Army ROTC
Fort Monroe, VA. 23351

Commander, Navy Recruiting Command
Code 314, 4015 Wilson Blvd.
Arlington, VA 22203

Air Force ROTC
Maxwell Air Force Base, AL. 36112

Commandant of the Marine Corps
Headquarters Marine Corps
Washington, D.C. 20380

SERVICE ACADEMIES

All the academies offer four years of college education leading to a Bachelor of Science degree. Cadets and midshipmen — except Merchant Marine Academy cadets — receive $337.10 a month, plus tuition, medical care, and room and board. With the exception of the Merchant Marine Academy, graduates receive regular commissions and must serve on active duty for at least five years after receiving their commissions. Merchant Marine Academy midshipmen receive an allowance of $575 yearly during their three years on shore at the academy, plus tuition, food and quarters. In addition, they receive an allowance of $317.10 per month during the year of training they spend at sea. Graduates receive third mate or third assistant engineer licenses and are commissioned as ensigns in the Naval Reserve.

NOMINATIONS . . .

Candidates for the Military, Naval and Air Force Academies must have a nomination in order to be considered for an appointment as a cadet or midshipman at these academies. Most candidates receive their nominations from members of Congress, each of whom may have five constituents in attendance at each of these academies at any one time, and each of whom may nominate up to 10 candidates for each vacancy he may have.

Other sources of nominations are available to prospective candidates, principally through affiliation with the Armed Services. It is best to apply for all nominations for which you're eligible. For Congressional nominations, in particular.

The spring of the junior year is the recommended time to apply. Most Congressmen, however, will accept later requests for nominations — some into November or early December of the senior year. It is not necessary to know the Congressman personally.

Prospective candidates should request a pre-candidate questionnaire form from the service academy at the same time they apply to their Congressman. This will initiate an admission file on the prospective candidate.

All nominations for the Merchant Marine Academy are made by members of Congress. Apply to your Congressman early in the spring of your junior year.

Appointments to the Coast Guard Academy are made competitively on a nationwide basis. A nomination is not required. Anyone who considers that he has the basic qualifications can apply to take part in the competition for Coast Guard Academy admission.

ELIGIBILITY . . .

Admission to any of the academies is dependent upon a young man being at least 17 years of age (but not have reached his 22nd birthday as of July 1 of the year he is to be admitted), a citizen of the United States, of good moral character, and academically, medically and physically qualified. He must never have been married. As of June 1976, women are eligible for admission to all service academies.

The overall academic and physical preparation of a candidate is of vital importance to success at any one of the academies. In high school, the student should strive for above average grades.

The majority of youths admitted to the academies enter immediately following graduation from high school. Prospective candidates who feel they require additional post high school preparation, or who are unable to obtain an appointment immediately upon graduation, are encouraged to attend preparatory school or college while awaiting an appointment.

A candidate's academic qualification for admission to any one of the federal academies is determined by tests of the College Entrance Examination Board's Scholastic Aptitude Test (SAT) or the American College Testing (ACT) Program and a review of his entire scholastic record to include academic performance in secondary school and college, if any, and the recommendations of his teachers.

Applications for the SAT and the ACT tests should be made at least 30 days in advance of the testing dates by those seeking nominations to the federal academies.

All medical examinations are scheduled by the Department of Defense Central Medical Examination Review Board, U.S. Air Force Academy, Colorado Springs, Colorado 80840. Only one medical examination is necessary no matter how many academies the candidate has applied to.

Physical examination cards are provided to the candidates by members of Congress (at their option) or by the service academy to which the candidate is applying.

ADMISSION . . .

Nominations to all of the academies except the Coast Guard and Merchant Marine Academies are grouped into two categories: competitive and non-competitive.

1) Competitive Method: Appointments are awarded to the best qualified candidates. Qualification is based upon the candidate's entire scholastic record and his performance in prescribed entrance tests, his physical aptitude, his record of extra-curricular activities (including athletics), recommendations from school authorities, his leadership potential and a medical examination.

In a variation of this method, the nominating authority may designate his principal nominee, only, and direct that his remaining nominees compete, based on their records, for the alternate positions.

2) Noncompetitive Method: The nominating authority designates his nominees in order of personal preference as principal, first alternate, etc. If found qualified for entry, the principal is appointed. If the principal fails to qualify, the first alternate is considered for appointment. If he also fails, the other alternates are considered in turn.

Alternate candidates who are qualified in all respects but who do not receive an appointment for which they have been nominated are considered for appointment as qualified alternatives. Appointments are made from this list on a competitive basis. No application is necessary, as all fully qualified candidates are given consideration. Well over 1000 candidates enter the service academies each year as qualified alternates. Thus, it should be noted that any Congressional nomination, even a ninth alternate, may be sufficient to get a well-qualified candidate into a service academy.

Young men interested in securing an appointment to one of the academies — other than the Coast Guard Academy — should write to their Senators and Representatives in Congress and to the academy of their choice for further information. Application should be made in the spring preceding the year in which an appointment is sought. Full particulars concerning the service academies are contained in annual catalogs. Copies of the various catalogs can be obtained by writing to:

Director of Admissions and Registrar
United States Military Academy
West Point, NY 10996

Director of Admissions and Registrar
U.S. Air Force Academy
Colorado Springs, CO 80840

Superintendent (Attn: Candidate Guidance)
U.S. Naval Academy
Annapolis, MD 21402

Director of Admissions
U.S. Coast Guard Academy
New London, CT 06320

Admissions Office
U.S. Merchant Marine Academy
Kings Point, NY 11024

OFFICER CANDIDATE PROGRAMS

College graduates can earn commissions in the Army, Navy, Air Force, Marine Corps or Coast Guard even though they have had no ROTC or other prior military training. Applications may be made for enlistment from civilian life to attend officer candidate or training schools as follows:

- **Army Branch Immaterial Officer Candidate Course (BIOCC)**

Qualified enlisted men, women and warrant officers in the active Army and Army Reserve Components may apply for attendance at BIOCC. Fourteen weeks are required to complete the course for men; 18 weeks for women. Age criteria for all candidates will be a minimum of 19½ years and a maximum of 32½ years upon enrollment (National Guard applicants must be below age 28). All applicants must have completed at least 50 percent of the academic credits for a baccalaureate degree from an accredited college or university or must have a Department of the Army Two-year College Equivalency Evaluation. Waivers are not granted for this requirement. Upon satisfactory completion of the course, active Army graduates are required to serve a minimum of two years in an active commissioned status.

Outstanding enlisted members of Army Reserve Component Units who have completed their active duty for training may apply to attend the regular 14-week BIOCC or a special reserve component OCS courses of nine weeks conducted by the active Army. After completion of the course, members return to their units and complete their obligation as National Guard or reserve officers.

- **Navy Officer Candidate School (OCS), Newport, RI**

Qualified graduates of regionally accredited colleges receive 19 weeks of basic naval science and indoctrination. Successful candidates are commissioned as ensigns in the Naval Reserve and serve on active duty as unrestricted line, restricted line, or staff corps officers. Age limits at commissioning are 19-27½. Active duty obligation is four years with three year option for certain designators.

- **Air Force Officer Training School (OTS)**

Through OTS, The Air Force and Air Force Reserve train selected college graduates, both men and women, who possess those skills and specialities needed in the Air Force to become commissioned officers. Potential pilots or navigators go directly to flight training after completing OTS. Applicants must be U.S. citizens and graduates of an accredited college. Selected applicants are required to complete a pre-commission training course of 12 weeks duration (15 weeks for pilot candidates) in the grade of staff sergeant. Trainees who hold an active or reserve grade higher than staff sergeant will attend OTS in their higher grade. Upon successful completion, officer trainees are commissioned as second lieutenants in the Air Force Reserve. Age limits: 20½ to 27½ for pilots and navigators; 20½-29½ for others. Active duty obligation: four years from date of graduation from OTS for nonfliers; five years from date of graduation from flight training for pilots and navigators.

- **Marine Corps Officer Candidate Class (OCC) and Aviation Officer Candidate (AOC).**

Graduates of an accredited four-year college or university are eligible for a reserve commission as either a ground officer or aviator under the Officer Candidate Programs. Upon successful completion of a 12-week training course, candidates are commissioned as second lieutenants in the Marine Corps Reserve. Officers are assigned to the Basic School, Quantico, VA., for 26 weeks of basic officer training. Aviation officers are then assigned to flight training of 8-18 months duration. Active duty obligation: for ground officers, 2½ years after receipt of commission; for naval aviators (pilots), 3½ years after designation as a naval aviator; naval flight officers, 3 years after designation as a flight officer; age limits OCC, 20-28; AOC, 20-27½.

- **Coast Guard Officer Candidates School (OCS).**

Through its 18-week officer candidate school in Yorktown, VA., the Coast Guard trains selected college graduates, both men and women, in those skills necessary to become commissioned officers in the Coast Guard. Classes convene each August and February. Applicants must be U.S. citizens and graduates of an accredited college or university. Duty assignments are made on the basis of the individual's educational background, experience and expressed preference, consistent with the needs of the Coast Guard. A guaranteed flight training option is available to OCS applicants who qualify. Age limits: 21-27 for individuals without prior military service. Persons with at least two years prior active duty military service are eligible to apply provided they will not reach their 32nd birthday by convening date of the class for which they apply.

- **Army National Guard Officer Candidate Programs.**

Three options of OCS training are available to qualified high school graduates. They may attend the nine-week reserve component OCS or the 14-week (active) Army Branch Immaterial Officer Candidate Course (BIOCC). The state program consists of two 2-week periods over two summers with about one weekend a month in between.

- **Air National Guard Academy of Military Science (Officers).**

The Air National Guard operates its own professional officers school at McGhee Tyson Airport, Knoxville, TN. The Academy of Military Science provides the ANG officer selectee with his initial military training. Students attend the six-week course in pay grade E-5 or their former enlisted grade, if higher, and are commissioned upon graduation. A college degree is preferred but in some career fields is not necessary. Direct commissions are available to men and women in professional fields. On rare occasions, direct commissions can be obtained for other critical fields. For the most part, however, the accepted rule is that all officer candidates must attend the ANG Academy of Military Science or the Army Guard OCS Program.

- **Platoon Leader's Class (PLC) and Platoon Leader's Class (aviation) (PLC(A).**

Platoon Leader's Class (PLC) and Platoon Leader's Class (aviation) (PLC(A) are special Marine Corps officer training programs. College freshman who have completed one semester, and sophomores and juniors, can sign up for the PLC program. The training consists of two six-week sessions or one 10-week session at the Marine Corps Base, Quantico, VA., during the summer vacations. Members may apply for financial assistance of $100 per month following completion of one summer training session. Upon graduation from college, PLC students receive commissions. USMCR commission officers initially attend a 26 week officer training basic course. Aviation officers then attend aviation flight school. Age limits: ground officers — not less than 20 or more than 28 at time of commissioning; aviation officers — not less than 20 or more than 27½ at time of commissioning. Active duty obligation: minimum of 2½ years for ground officers; 3½ years following pilot training; 3 years following flight officer training.

- **Aviation Reserve Officer Candidate (AVROC) Program.**

Students may apply for this program upon completion of their freshman or sophomore year in college. However, they cannot be pursuing a course of instruction leading to a theological, medical or dental degree nor to a degree considered preparatory for appointment in the Medical Service Corps. Selectees are paid E-5 pay during the two required training sessions — one eight week summer session between their junior and senior year and completion of AOCS and subsequent flight training following graduation from college. Training is held at the Naval Aviation Officer Candidate School, Pensacola, Florida. This leads to commissioning as a pilot or naval flight officer. Active duty obligation is 4½ years from time of commissioning.

RESERVE AND GUARD

Young men and women without prior military service may enlist in a reserve program if they qualify. Application for enlistment can be made with any local organized reserve unit of the Army, Navy, Marine Corps or Air Force, to include the Army and Air National Guards, and Coast Guard recruiting offices.

Reservists in organized units are required to attend training assemblies or drills regularly throughout the year, and must spend from 14-17 days in full time, annual training. The annual training may be conducted at a site away from the member's home, thus requiring the member to be away for that period. All reserve component paid drill units are required to conduct a minimum of 48 training assemblies/drills a year. One weekend is the equivalent of four training drills. These assemblies are held in the evenings or on weekends, or a combination of both. The annual training period is normally scheduled during the summer.

Reserve pay is based on the Armed Services pay scale for grade and length of service. Members receive one day's pay for each training assembly attended. If two assemblies are held on one day, the member may be entitled to two day's pay. In addition, they receive one day's pay for each day of annual training. Thus, an enlisted reservist who has been promoted twice and has over three years service can receive about $815 a year for participating in ready reserve training. Reservists are also eligible for retirement benefits.

Enlistees in the reserve programs are accepted to fill vacancies in military occupations which meet the needs of the particular unit they join. The training necessary to become qualified in the military occupation is provided during the reservist's initial tour of duty. Reservist's may attend regular service schools and may also enroll in service-sponsored correspondence courses following initial active duty for training.

In each of the reserve branches there is a promotion system separate from that of the regular services. Reservists compete for promotion only with other reservists of their service or unit. Outstanding individuals may qualify for appointment as commissioned officers.

NATIONAL GUARD

The Army and Air National Guard are volunteer military organizations within each state, composed of civilians who train part-time for local and national protection. The nearly 5,000 guard units are located in all 50 states, the Commonwealth of Puerto Rico, the District of Columbia and the Virgin Islands.

The National Guard has a dual status and mission. As a state organization of which the governor is commander-in-chief, the unit and members may be ordered to active state service in times of local emergencies or disasters.

The Army National Guard and the Air National Guard are also reserve components of the U.S. Army and U.S. Air Force respectively, and can be ordered into active federal service in the event of national emergency, war or when otherwise provided by law. In their position as the Army National Guard of a state, units and members may be called into federal service during certain local emergencies.

Army National Guard unit training includes infantry, armor, air defense artillery (including missiles), field artillery, medical, ordnance, transportation, engineer, administrative, communications, military police, chemical, aviation, special forces, airborne and other special areas of military endeavor.

Air National Guard units train for air defense, tactical fighter, air refueling, tactical reconnaissance, global transport, communications, electronics, weather and aeromedical missions.

Women may apply for any Air Guard unit vacancy that is not related to combat. Non-prior service women must be 18-35, and should be a high school graduate or equivalent.

Male enlistees, 17-34, with no prior service enlist for six years and take active duty for training. The length of this training is dependent upon the skill for which the individual is being trained. The minimum requirements for training is four months. Seventeen-year-old enlistees need parental consent.

ARMY RESERVE

Men and women applicants of the Army Reserve must be between the ages of 17-26. The initial required period of active duty for men is a minimum of four months (basic combat training and advanced training) and is slightly less for women. The Army Reserve offers the prospective enlistee a choice of schooling in hundreds of useful skills — such as medical, mechanical or clerical — most of which can be subsequently applied to civilian jobs.

NAVY RESERVE

Qualified young men and women between 17-31 years of age may enlist for six years including three or four years of active duty. Initial active duty for training begins within days of date of enlistment. The Naval Reserve also has a four to ten month active duty for training program for qualified young men 17-31 years old who live within a reasonable commuting distance of a Naval Reserve unit. Under this program, an enlistee incurs a six-year total service obligation: approximately four to ten months of active duty for training (for recruit training and basic technical training) and five-and-one-half years as a member of an organized drill unit.

MARINE CORPS RESERVE

The Marine Corps Reserve offers young men and women, 17-26, three, four, or six year enlistment programs. All non-prior service Marines who enlist, attend 130 days of active duty for training; however, a prospective Marine can sign up, then delay the period of active duty up to 180 days. During the active duty training, enlistees may be eligible for formal schooling in several technical fields or they may decide to learn a skill through "on the job training." Marine Corps Reserve opportunities encompass over 400 military occupational specialities including mechanics, engineering, supply, administration, communications, photography, infantry, armor, artillery, and aviation.

After completion of active duty for training, the new Marines return to their homes to serve with the local Marine reserve unit. Serving with the local unit includes two training periods per month and two weeks training in the summer. For this training, the Marine reservist collects pay, receives inexpensive life insurance, is granted purchasing privileges at any military base, and participates in a financial retirement program.

AIR FORCE RESERVE

Air Force Reserve personnel train in unit and individual programs for tactical air support, tactical and military airlift, civil engineering, electronics, rescue and medical missions among others. Enlisted reserve programs are available to qualified persons with or without prior service. Women may apply for all Air Force reserve positions except those that are combat related. To enlist, women without prior service must be between 17-35 (parental consent is required if the applicant is age 17.) Basic training and technical school requirements are the same for all air reservists. Women may enlist for from two-six years. Non-prior service men and women applicants may be between the ages of 17-26 and enlist for a period of six years. Applicants 27-34 inclusive may enlist for from two-six years. All reservists must serve an initial active duty tour of not less than four months. During this period the individual attends basic training and a technical school.

COAST GUARD RESERVE

Qualified non-prior servicemen between 17-26 can enlist in the Coast Guard Reserve for six years. Enlistees initially go on active duty for approximately 30 weeks: nine weeks basic training and the remainder in a specialized training school. Qualified men between 26-36, with a skill needed by the Coast Guard Reserve, can enlist for three years. They will be given a petty officer rating commensurate with their skill level. Qualified non-prior servicewomen between 20-35 can enlist in the Coast Guard Reserve for three years. In order to qualify they must have experience in one of the various Coast Guard specialities, and are given a rating commensurate with their experience.

FLIGHT TRAINING AND DIRECT APPOINTMENT COMMISSIONING OPPORTUNITIES

Many young men and women become officers through flight training or direct appointment.

FLIGHT TRAINING

Young men who desire to be military aviators should be in excellent health and physical condition. Flight training is available to commissioned officers in each of the Armed Services who can meet professional and physical requirements and are within the prescribed age limits. The programs open to officers and other than officers are as follows:

- **Air Force Pilot Training.** This is a 52-week program, conducted at eight bases in the U.S., available to male commissioned officers who are college graduates. The training qualifies them for duty as rated pilots. Graduates normally proceed to advanced flight centers for specialized training in specific weapons systems. Officers must meet the required physical qualifications and apply in sufficient time to enter training before reaching 27½ years of age.

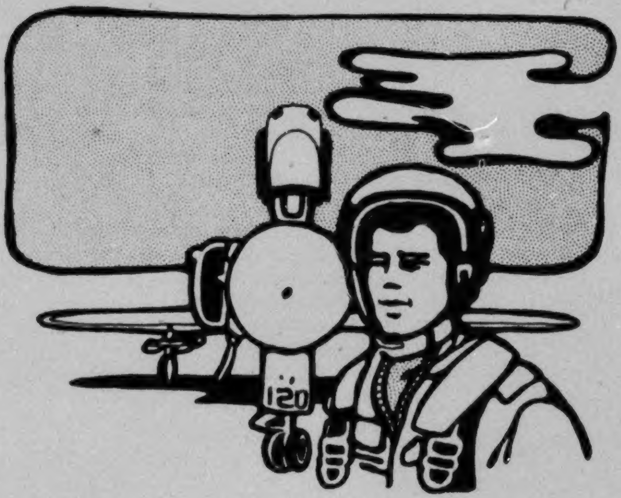
- **Air Force Navigator Training.** Available to male commissioned officers who are college graduates. A 36-week training program conducted at Mather Air Force Base, CA., qualifies them for duty as a navigator. Some graduates go directly to operational units as aircrew members, while others enter advanced courses in electronic warfare and radar bombardment. Officers must meet the required physical qualifications and apply in sufficient time to enter training before reaching 27½ years of age.

- **Air Force Reserve and Air National Guard Flight Training.** Air Force Reserve and Air National Guard officers who have been commissioned to enter flight training are given assignments to classes alongside students in regular Air Force flight schools, and attend the complete flight courses. However, as a rule, they are returned to their home units for flight duty once the training course is concluded.

- **Army Commissioned Officer/Warrant Officer Flight Training.** Helicopter flight training programs are available for commissioned officers, warrant officers and enlisted personnel of the active Army, Army National Guard, Army Reserve and to civilian applicants who enlist for the warrant officer program. Applicants must meet required physical qualifications. Commissioned officers and applicants for the warrant officer program must be less than 30 and 28 years of age respectively at the time of application. Enlisted applicants or applicants enlisting for the warrant officer program receive their warrant officer appointments upon successful completion of flight training.

- **National Guard and Army Reserve Flight Training.** Quotas are available for training of qualified reserve personnel at both fixed and rotary wing training schools.

- **Coast Guard Pilot Training.** Coast Guard aviators fly fixed wing and rotary wing aircraft in support of search and rescue missions, marine pollution surveillance and the enforcement of international fisheries/conservation agreements. Selected graduates of Officer's Candidate School and the Coast Guard Academy attend 14 months of basic and advanced flight training at the U.S. Naval Air Station, Pensacola, FL. Applicants must not have reached their 28th birthday by the commencement of flight training.



- **Marine Naval Aviator and Marine Naval Flight Officer.** Mentally and physically qualified male Marine officers from any commissioning source are eligible to apply for pilot and flight officer training. Student aviators attend 13-18 months of training prior to assignment to a jet fighter of attack squadron, helicopter squadron or fixed wing transport squadron. Flight officers attend approximately eight months training before being assigned to jet fighter or attack squadrons. Age limits: 20-27½. Active duty obligation: Naval aviator, 3½ years following designation as a Marine naval aviator; Naval flight officer, 3 years following designation.

- **Navy Aeronautical Maintenance Duty Officer (AEDO-AM).** This program trains young men as specialists in aviation maintenance management. Application for this non-flying assignment may be made during the senior year of college or after graduation. 16 weeks of indoctrination and basic Naval flight officer training are required prior to commissioning. As an ensign in the Naval Reserve, he is ordered to a 16-week course at the Naval Air Technical Training Center, Memphis, TN. for aircraft maintenance officers. Candidates serve on active duty for four years from date of commissioning. Age limits: 19-27½.

- **Naval Aviation Officer Candidate (AOC).** This is a program for young men who desire to become Naval aviators. To apply for the AOC pilot training program, you must be a college senior or recent graduate of an accredited college or university. Candidates receive orders to aviation officer candidate school at Pensacola, FL. After successful completion of 16 weeks of indoctrination training and primary flight training, they are commissioned as ensigns in the Naval Reserve. As a commissioned officer, the candidate undergoes an additional 12-15 months of basic and advanced flight training, and is designated a Naval aviator upon completion of advanced training. Age limits: 19-27. Obligated service: 4½ years after flight training.

- **Naval Flight Officer Candidate (NFOC).** This is a program for young men who desire to become officer aircrew members and serve as Naval Flight Officers (NFO). The NFO is responsible for operating the complex weapon system of the Navy's modern aircraft. To apply for NFO training one must be a college senior or recent graduate of an accredited college or university. Candidates receive orders to Aviation Officer School at Pensacola, FL. After successful completion of 16-weeks of indoctrination training, he is commissioned an ensign in the Naval Reserve. Commissioned officers undergo an additional six to eight months of basic and advanced training. During advanced training officers have an opportunity to specialize in one of the following categories: airborne radar intercept operator; bombardier-navigator; airborne early warning systems operator; air anti-submarine warfare tactical coordinator; airborn electronics countermeasure systems operator and airborn tactical data systems operator. Age limit: 19-27½ at time of commissioning. Obligated service: 3½ years from date of designation.

- **Naval Aviation Officer Candidate-Air Intelligence (NAOC-AI).** This is a program for training as an intelligence special duty officer in a non-flying assignment. Application may be made during senior year of college or after graduation. After 16 week of indoctrination and Basic Naval Flight Officer Training, candidates are commissioned ensigns in the Naval Reserve and are ordered to the Armed Services Intelligence Institute at Lowry Air Force Base, Denver, Colorado, for approximately 28 weeks. Candidates serve on active duty for four years from date of commissioning. Age limits: 19-27.

DIRECT APPOINTMENTS

Young men and women who are professionally and otherwise qualified in any of the medical and allied health sciences may receive direct appointments as officers in one of the corps of the medical services of the Army, Navy or Air Force. Programs providing financial assistance to students enrolled in courses leading to qualification in certain health fields, also lead to a direct appointment and active duty in the appropriate corps of the medical service. Some direct appointment programs are also available in certain other professional fields such as Judge Advocate General and chaplain.

Direct appointments to warrant grade are offered in the Coast Guard to physicians' assistants. Graduates of medical schools with one year of post-graduate education may receive commissions in the U.S. Public Health Service for active duty with the Coast Guard.

WOMEN IN THE ARMED SERVICES

Basic enlistment requirements for servicewomen are essentially the same in all the Armed Services. An applicant must have a high school education or the equivalent (Air Force applicants must be high school graduates — Marine Corps and Coast Guard applicants may be granted waivers of the high school graduate requirement in some cases by accepting GED equivalency), be not less than 17 years of age, be in good health and have high moral standards. Applicants may be married but will require a waiver for any dependents other than their spouse (Army, Navy, and Air Force applicants may be married with dependents).

Minimum enlistment periods are: Two years for women Marines and three for WAC (Army); four years for WAVES (Navy); four years for women in the Air Force and Coast Guard. Longer enlistments are optional for all services. Women enlistees can, in some case, be guaranteed a choice of a special kind of training. For example, most of the Army and Navy enlistment option guarantees are open to women and women may enlist in the Air Force in a specialty of their choice under the Guaranteed Training Enlistment Program.

RECRUIT TRAINING

Recruit, or basic, training is of six to ten weeks duration depending on the individual service. This training provides each recruit with essential knowledge and skills early in her enlistment. It also emphasizes teamwork, discipline and responsibility toward the service concerned as well as the high individual standards expected of all women in the service. Recruit training for women in the Coast Guard is, as far as practical, co-educational with the men. They attend the same classes, the same drills and are given the same responsibilities, housing facilities being separate.

Most young women on their first enlistment are assigned to posts and stations with a women's strength of 50 or more. Facilities in barracks or dormitories usually include sewing machines, hair dryers, kitchenettes, lounges, TV rooms and laundry rooms with automatic washers and dryers.

Jobs open to women are not exactly alike in kind or numbers in each of the services. Women in the Air Force and Army may serve in any career field with the exception of those directly related to combat. Before enlisting, a young woman should find out whether the service of her choice offers the career fields in which she is interested. Additional career fields may be open to women who have prior military service and training.

Servicewomen receive exactly the same pay and benefits, including retirement rights and annual leave, as servicemen in the same pay grade and the same time in service.

Aside from regular job assignments, these duties include standing inspections, charge of quarters and other military duties concerned with maintaining security.

Most servicewomen work an eight-hour day and a five or five-and-a-half-day week. Although in some cases, as in civilian industry, working hours may be on a "shift" basis.

In peacetime, civilian clothes are usually worn during off-duty hours.

Servicewomen receive exactly the same pay and benefits, including retirement rights and annual leave, as servicemen in the same pay grade and the same time in service.

Women in all the services are eligible for overseas assignments. Servicewomen are presently assigned to a number of overseas bases — Europe, Hawaii, Panama, Far East, and Middle East.

A servicewoman may marry, but she may not leave the service solely for this reason. The separation policy for marriage varies among the individual services.

COMMISSIONING OPPORTUNITIES

- College graduates may apply directly (except Army) from civilian life for a commission as an officer or to attend an officer candidate school or course. Enlisted women can qualify for certain officer candidate programs. Generally some college education is a prerequisite.

- The WAC college junior course is a four-week orientation course for women who have completed their junior year in an accredited college. This course is conducted in July of each year at the U.S. Women's Army Corps School, Fort McClellan, AL. Its purpose is to provide college women with an opportunity to see what the Army is like. It also gives the Army a chance to evaluate the suitability of the participants for service. Transportation to and from Fort McClellan, uniforms, meals and lodging are furnished by the Army. In addition, participants receive one month's pay as an E-4. At the end of four-week courses the young women may elect to be discharged from the Reserve with no further service obligation; apply for a commission upon completion of college; or apply for the WAC Student Officer Program.

- The WAC Student Officer Program was designed to provide reserve commissioned officers for active duty in the Women's Army Corps from selected women who have successfully completed the WAC college junior course. Selected applicants are enlisted in the Army Reserve for their senior year in college and serve on active duty with full pay and allowances of grade E-4 while attending the accredited college of their choice. Upon graduation, participants are advanced to the grade of second lieutenant, and are ordered to active duty for two years. After attending an 11-week WAC officer orientation course at Fort McClellan, AL., WAC officers attend an officer basic course with their male officer contemporaries which qualifies them in a branch of the Army other than artillery, armor or infantry.

- Navy ROTC is open to women on a limited scale.

- Navy Officer Candidate School (OCS) provides 19 weeks of basic naval science and indoctrination to qualified women graduates of regionally accredited colleges. Successful candidates are commissioned as ensigns in the unrestricted line, supply corps or civil engineer corps in the Naval Reserve. Age limits at time of commissioning: at least 20 and under 27½ years. The active duty obligation is four years for unrestricted line and three or four years for supply or Civil Engineer Corps.

- Air Force Officer Training School (OTS) is co-educational and lasts three months. To qualify you must satisfactorily complete the Air Force Officer Qualifying Test; be selected by an Air Force Officer's Board of Review; and pass the Air Force Commissioning Examination. You must also be 20½-30 years of age; have a baccalaureate degree; and be a U.S. citizen.

- Air Force ROTC is co-educational. The two major phases of the curriculum consist of the general military course and the professional officer course. Women ROTC graduates are placed in many specialized career fields; particularly those with degrees in science, engineering, or other technical areas.

- The Women Marine Officer Candidate Class (WOCC) is an intensive seven week pre-commissioning program conducted at Quantico, VA. Through classroom instruction and practical application, the candidate acquires the primary knowledge and qualities expected of a woman Marine officer. Eligibility requirements: (1) be an American citizen; (2) be a recent college graduate, or regularly enrolled junior or senior with a "C" average or higher; (3) be at least 18 when enrolled; (4) be of excellent moral character; (5) be at least 21 and less than 30 on the date of commissioning; and (6) be found physically qualified for appointment as an officer.

  During the women officer candidate class, candidates receive the pay of sergeant (E-5). Upon successful completion of WOCC, college graduates are commissioned as second lieutenants in the Marine Corps Reserve and remain at Quantico for further assignment. College undergraduates are commissioned upon receipt of a baccalaureate degree.

- Coast Guard Officer Candidate School (OCS) is co-educational. Women undergo the same training as men. Upon completion of OCS, women officers perform the same duties as men and are afforded the same assignments as men, except that they are not assigned to aviation, sea duty, or isolated duty.

ABLE SEAMAN

Title: ABLE SEAMAN

Civilian D.O.T. No. 911.884

Occupation: The **Able Seaman** stands lookout watches, helm watches and performs tasks such as scraping and painting decks and superstructure. He maintains rigging and cargo handling gear.

Related Military Occupations:

Coast Guard	Boatswain's Mate
Navy	Boatswain's Mate

Composite Service Job Statement: In the Armed Services, the **Able Seaman** stands deck watches and performs a variety of tasks related to the handling and sailing of various vessels. He keeps the lines, running gear, and cargo handling in safe operating condition. He performs general maintenance work cleaning rust spots and painting chipped areas. He may also load or unload cargo and do general repair work.

Related Occupations: (Civilian)

- Deck Maintenance Man
- Dock Hand
- Motorboat Operator

Title: BOATSWAIN'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: BM

Occupation: The **Boatswain's Mate** is the master seaman — a person skilled in all phases of seamanship and supervision of deck personnel. He acts as an officer in charge of patrol boats, tugs, small craft and small shore units.

Interests & Qualifications: Boatswain's Mates must be leaders. They must be physically strong with good hearing and vision. They should be above average in general learning ability and be able to work well with their hands. School courses in algebra, geometry, and shop are helpful. Previous experience handling small boats is also helpful.

Training & Skills: After recruit training, the **Boatswain's Mate** begins regular shipboard duties under the direction of experienced personnel. He also studies appropriate training manuals and publications.

The **Boatswain's Mate** learns to do all the tasks necessary for the operation of small boats, navigation, entering or leaving port, storing cargo, and handling ropes and lines.

Related Occupations: (Coast Guard)

- Quartermaster
- Gunner's Mate

Title: BOATSWAIN'S MATE

Service: NAVY

AFSC/MOS/Rating: BM

Occupation: A **Boatswain's Mate** supervises cargo handling, and storage; takes command of tugs, barges, and other small craft; and serves as a steersman. He supervises the deck crew; directs landing and rescue operations and teaches seamanship.

Interests & Qualifications: A **Boatswain's Mate** must have leadership ability and physical strength. His vision, hearing, and manual dexterity must be good. High school courses in practical arithmetic, algebra, geometry and physics are helpful. Experience in handling small boats is valuable.

Training & Skills: A **Boatswain's Mate** is trained in small boat handling, piloting, and navigation. He learns all-round seamanship, cargo handling, and meteorology. He receives his training through on-the-job experience and the study of special manuals.

A **Boatswain's Mate** may be stationed aboard ship or on shore.

Related Occupations: (Civilian)

- Motorboat Operator
- Barge Operator
- Pier Superintendent

ACCOUNTING CLERK

Title: ACCOUNTING CLERK

Civilian D.O.T. No. 219.488

Occupation: The **Accounting Clerk** is responsible for maintaining records on how a company acquires and spends its money. He analyzes and reports the results of all company financial transactions.

Related Military Occupations:

Air Force	General Accounting Specialist
Army	Accounting Specialist
Coast Guard	Storekeeper
Marine Corps	Accounting Clerk
Navy	Disbursing Clerk

Composite Service Job Statement: In the Armed Services, the **Accounting Clerk** maintains a general ledger which contains fund reports, records and files. He performs fiscal accounting by checking monies committed or obligated. He keeps accounts to reflect the status of available funds. He reviews internal financial operations. He selects and designs the accounting system and equipment to be used.

Related Occupations: (Civilian)

- Accounts Analyst
- Billing Clerk
- Invoice Clerk
- Payroll Clerk

Title: GENERAL ACCOUNTING SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 67131

Occupation: An Air Force **General Accounting Specialist** maintains financial records and keeps track of funds and expenses. He prepares reports, files, and reviews expense data.

Interests & Qualifications: To be an Air Force **General Accounting Specialist,** you must complete high school. School courses in math, statistics, and business machines are very helpful. You must have a score of at least Administrative 80 on the Armed Services Vocational Aptitude Battery. This Air Force specialty is open to women.

Training & Skills: An Air Force **General Accounting Specialist** must complete the General Accounting Specialist course (11 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. This course will train you to operate accounting machines such as adding machines, comptometers, and calculators.

(These Air Force training requirements are subject to change.)

Related Occupations (Civilian)

- Bookkeeper
- Accounting Clerk
- Cost Accountant
- Posting Clerk

Title: ACCOUNTING SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 73D

Occupation: An **Accounting Specialist** supervises or carries out fiscal accounting, review and budget operations. He studies records, prepares reports, and keeps the fund ledger accounts current.

Interests & Qualifications: An **Accounting Specialist** must type at least 20 words per minute and must have some office skills. High school courses in math and business are helpful. Office experience is also helpful.

Training & Skills: Those entering this field are given service school training as needed. They learn to prepare and type reports, records, documents and similar forms. They also learn to use the Army file system, how to handle basic military pay and accounting operations, and how to use office machines. They learn how to use proper accounting methods and ledgers to keep track of fund distributions, analyze financial transactions, make recommendations on cost economizing, and how to balance and prepare a budget for review.

Related Occupations (Army)

- Finance Specialist
- Clerk Typist
- Medical Records Specialist

Title: STOREKEEPER

Service: COAST GUARD

AFSC/MOS/Rating: SK

Occupation: The **Storekeeper** provides and accounts for a constant supply of pay, clothing, commissary items, and spare parts. He is also adept at personnel management and decision making.

Interests & Qualifications: Storekeepers should be average or above in general learning ability. They should be able to solve problems quickly and accurately. They must be able to write and print legibly. They must also record numbers accurately and neatly. School courses in bookkeeping, accounting, arithmetic and English are desirable, as is practical experience in stock inventorying and operating office machines.

Training & Skills: After recruit training, the **Storekeeper** may take 10 weeks training at Coast Guard Training Center, Petaluma, California. Sometimes, the **Storekeeper** is trained on-the-job and by study of manuals.

Among other things, the **Storekeeper** learns the principles of supply ordering, receiving, inventory, and disbursement.

Related Occupations (Coast Guard)

- Yeoman

Title: ACCOUNTING CLERK

Service: MARINES

AFSC/MOS/Rating: 3451

Occupation: An **Accounting Clerk** works in an office preparing and maintaining files. He also helps prepare budget and accounting records. Running calculating and bookkeeping machines are also part of the job.

Interests & Qualifications: Accounting Clerk is a position open to both men and women. Helpful high school courses include English, math, bookkeeping, typing and office practice. Part-time work in an office would also help. Junior or community college courses in accounting or other business areas would be useful.

Training & Skills: In training, the **Accounting Clerk** learns basic principles of filing. He also learns how to assist in the preparation of budget and accounting records. Practicing his skills in running adding, calculating and bookkeeping machines are also part of the training. A course for **Accounting Clerks** is offered at Marine Corps Base, Camp Lejeune, North Carolina.

Related Occupations (Marines)

- Auditing Technician
- Disbursing Man

Title: DISBURSING CLERK

Service: NAVY

AFSC/MOS/Rating: DK

Occupation: A **Disbursing Clerk** computes the amount of pay due naval personnel. He prepares payrolls and keeps pay records. He also maintains disbursing office files and arranges payment for supplies and services furnished to the Navy.

Interests & Qualifications: A **Disbursing Clerk** should be able to work well with numbers and write legibly. Helpful high school courses would include typing, bookkeeping, accounting, business arithmetic, and office practice. Experience as a bookkeeper, clerk typist, office machine operator, or cashier is helpful.

Training & Skills: A **Disbursing Clerk** learns how to use office machines, how to handle pay and allotment records, and office procedures. Training for **Disbursing Clerk** may be received through Navy schools or through on-the-job experience combined with a study of Navy training courses.

A **Disbursing Clerk** works in the supply department aboard ship or a naval finance office ashore.

Related Occupations (Civilian)

- Paymaster
- Audit Clerk
- Cashier
- Desk Clerk
- Timekeeper

AIR TRAFFIC CONTROL SPECIALIST

Title: AIR TRAFFIC CONTROL SPECIALIST

Civilian D.O.T. No. 193.168

Occupation: The **Air Traffic Control Specialist** works in the control tower. He gives directions and provides pilots with weather, air traffic, and runway conditions information for take-off and landing approaches.

Related Military Occupations:

Air Force	Air Traffic Controller
Army	Air Traffic Control (ATC) Tower Operator
Marine Corps	Air Traffic Controller-Tower Operator
Navy	Air Controlman

Composite Service Job Statement: In the Armed Services, the **Air Traffic Control Specialist** operates radio or radar to control air traffic on and within the vicinity of an airport or aircraft carrier according to established procedures. He answers radio calls from arriving and departing aircraft and issues landing and take-off instructions for runway use. He gives information to air-crews concerning air traffic and weather conditions.

Related Occupations: (Civilian)

- Air Traffic Coordinator
- Airport Tower-Radio Operator
- Chief Controller-Center

Title: AIR TRAFFIC CONTROLLER

Service: AIR FORCE

AFSC/MOS/Rating: 27230

Occupation: An **Air Traffic Controller** controls airport air traffic. This includes giving accurate take-off and landing orders during a variety of weather conditions. He makes sure things run smoothly on the ground and in the air.

Interests & Qualifications: It is desirable that an **Air Traffic Controller** complete high school. School courses in English are helpful. You must meet and keep basic physical requirements. You must score at least Administrative 60 or General 60 on the Armed Services Vocational Aptitude Battery. You must have normal color vision, speak clearly, pass a flying class II physical, and be 18 years old.

Training & Skills: Enlistees attend the Air Traffic Control Operator course at Keesler Air Force Base, Biloxi, Mississippi (20 weeks) for training for this position. This training will teach you to use radar equipment and voice radio to provide flight assistance and traffic advisories to pilots. You will learn to use approach control and GCA facilities to help monitor air traffic. You will be instructed on procedures for emergency situations and alternate routes to follow. (These requirements are subject to change.)

Related Occupations: (Civilian)

- Air Traffic Control Specialist, Station
- Air Traffic Control Specialist, Tower

Title: AIR TRAFFIC CONTROL (ATC) TOWER OPERATOR

Service: ARMY

AFSC/MOS/Rating: 93H

Occupation: An **Air Traffic Control Tower Operator** supervises flight rules and coordinates military and civilian air traffic. He also issues instructions on safety, keeps records, operates radio telephones and handles incoming and outgoing flights.

Interests & Qualifications: An **Air Traffic Control Tower Operator** must have good vision, hearing, and eye-hand coordination. He also needs to work well with his hands. He should have mechanical ability, be able to reason well and to solve problems. High school courses in shop subjects, physics and electronics are helpful. An ability to think clearly and make decisions while under pressure is important in this field.

Training & Skills: While much of the training in this field is on-the-job, school courses are given. In addition to formal training, he must have an FAA certificate of grades or its equivalent. He learns to operate radio telephones, airport lighting systems, direction finding equipment, homing beacons to issue special instructions to aviators. He is taught to use radio and ground communications and visual signaling to aid in the handling of incoming and outgoing flight plans.

Related Occupations: (Army)

- Flight Operations Coordinator
- Flight Simulator Specialist

Title: AIR TRAFFIC CONTROLLER-TOWER OPERATOR

Service: MARINES

AFSC/MOS/Rating: 7312

Occupation: The **Air Traffic Controller-Tower Operator** works in a control tower. Using complex electronic equipment, he works with keeping aircraft on flight and landing patterns. He may work within a radar facility.

Interest & Qualifications: The **Air Traffic Controller-Tower Operator** position is open to both men and women. Helpful high school courses include 3 years of math, English, chemistry and physics.

Training & Skills: Training programs include studying air traffic control and civil air regulations, radio-telephone methods, weather reports, radio code and operation, and systems recording tactical data. After completion of an appropriate school, he will receive the necessary Federal Aviation Administration Control Tower Operator Certificate. He must complete the 13 week Controlman Course at the Naval Technical Training Center, Naval Air Station, Memphis, Tennessee as well.

Related Occupations: (Marines)

- Air Control Tower Operator
- Ground Controlled Approach Controller

Title: AIR CONTROLMAN

Service: NAVY

AFSC/MOS/Rating: AC

Occupation: An **Air Controlman** aids in directing air traffic at airfields and on aircraft carriers. He provides aircraft with information about air traffic, navigation and weather conditions.

Interests & Qualifications: An **Air Controlman** must be accurate, precise, self-reliant and calm under stress. He must have a clear speaking voice and excellent vision. A high school course in public speaking or experience in radio broadcasting would be helpful.

Training & Skills: An **Air Controlman** learns air traffic procedures and control, federal air regulations, aerology, radio recognition, and air navigation. He receives training for his job at a Navy school.
An **Air Controlman** may be stationed at an airfield or aboard an aircraft carrier.

Related Occupations: (Civilian)

- Air Traffic Controller
- Radio-Telephone Operator
- Aircraft Log Clerk

AIRCRAFT MECHANIC AND ENGINE WORKER (HELICOPTER)

Title: AIRCRAFT MECHANIC AND ENGINE WORKER (HELICOPTER)

Civilian D.O.T. No. 621.281

Occupation: The **Aircraft Mechanic and Engine Worker** maintains helicopters. He keeps them in proper working order. He inspects all parts and replaces them as necessary.

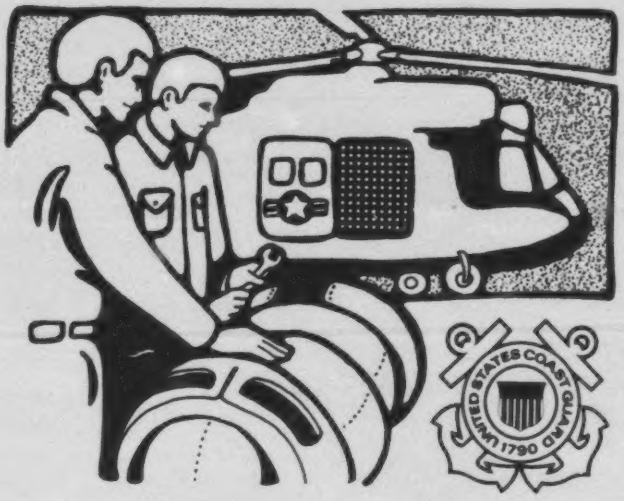
Related Military Occupations:

Air Force	Helicopter Mechanic
Army	UH1 Helicopter Repairman
Coast Guard	Aviation Machinist's Mate
Marine Corps	Helicopter Mechanic
Navy	Aviation Machinist's Mate (Helicopter)

Composite Service Job Statement: In the Armed Services, the **Aircraft Mechanic and Engine Worker (Helicopter)** services, repairs and overhauls helicopter engines to insure airworthiness. He replaces parts such as rotor blades and services some airframe components. He specializes in helicopters and their maintenance.

Related Occupations: (Civilian)

- Aircraft Engine Assembler



Title: HELICOPTER MECHANIC

Service: AIR FORCE

AFSC/MOS/Rating: 43130

Occupation: The **Helicopter Mechanic** inspects, removes, installs, trouble-shoots and repairs helicopters. He also performs routine repair work and inspections for worn parts.

Interests & Qualifications: It is desirable that an Air Force **Helicopter Mechanic** complete high school. School courses in shop, chemistry, drafting, physics, and mechanics are very helpful. You must have a score of Mechanical 50 on the Armed Services Vocational Aptitude Battery. You must have normal color vision. Any past work you have done with blueprints and diagrams will be very helpful. This Air Force specialty is open to women.

Training & Skills: To be an Air Force **Helicopter Mechanic,** you must complete the Helicopter Mechanic course (12 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. This training will teach you to perform preventive maintenance and to repair and maintain helicopters.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Airplane Mechanic

Title: UH1 HELICOPTER REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 67N

Occupation: A **UH1 Helicopter Repairman** inspects, maintains, and repairs the UH1 helicopter. He also adjusts or replaces parts and performs operational checks.

Interests & Qualifications: A **UH1 Helicopter Repairman** must have normal vision, mechanical skills, and be able to read and understand technical instructions. High school courses in auto mechanics, electricity, sheetmetal working, math or physics are helpful. Also helpful is any engine repair or sheetmetal shop experience.

Training & Skills: A **UH1 Helicopter Repairman** attends a helicopter repairman school offering courses in such areas as rotors and propellers, aircraft electrical systems, airframes and hydraulics. He learns to diagnose and inspect helicopter engines for defective parts, receives instruction on assembly and disassembly of components and learns how to adjust engine calibration. He also learns to perform lubrication and oiling servicing.

Related Occupations: (Army)

- OH-13/OH-23 Helicopter Repairman
- CH34 Helicopter Repairman

Title: AVIATION MACHINIST'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: AD

Occupation: The **Aviation Machinist's Mate's** major job is the maintenance and repair of aircraft engines. He also receives special training in basic aero-dynamics, ignition systems, fuel systems, machine elements, and hydraulic systems.

Interests & Qualifications: Aviation Machinist's Mates should be average or above in general learning ability. They should also have an aptitude for mechanics. School courses in algebra, geometry, machine shop and mechanics are very useful. Good hobbies would include auto repair and electronics.

Training & Skills: Upon completion of recruit training, further training for the **Aviation Machinist's Mate** rating begins with 21 weeks of intensive training at Coast Guard Aircraft Repair and Supply Center, Elizabeth City, North Carolina.

To advance, an **Aviation Machinist's Mate** must show he can work safely in such areas as handling, servicing or maintaining aircraft; when he is around gas turbine exhausts, propellers, and rotary wings; and when he works with things like fluids under pressure or airplane jacking.

Related Occupations: (Coast Guard)

- Machinery Technician ✓
- Aviation Structural Mechanic

Title: HELICOPTER MECHANIC

Service: MARINES

AFSC/MOS/Rating: 6112

Occupation: The **Helicopter Mechanic** inspects and maintains helicopters. He checks them out before and after flights. Other duties are training personnel and ordering supplies and equipment.

Interests & Qualifications: Helicopter Mechanics enjoy working with machines and vehicles. They also enjoy teaching others to do things.

These mechanics need to have normal color perception.

Helpful high school courses include English, basic math and physics. General, metal or machine shop and mechanical drawing are also useful.

Training & Skills: In training, the **Helicopter Mechanic** learns how to direct taxiing aircraft. Refueling is another skill he learns. The cockpit, controls and safety devices are also studied. Training programs are at the Naval Air Technical Training Center and the Naval Air Station, Memphis, Tennessee. Programs include: Aviation Familiarization — 2 weeks; Basic Helicopter — 6 weeks; Aviation Mechanical Fundamentals — 3 weeks.

Related Occupations: (Marines)

- Aircraft Maintenance Ground Support Equipment Mechanic
- Engine Mechanic

Title: AVIATION MACHINIST'S MATE (HELICOPTER)

Service: NAVY

AFSC/MOS/Rating: AD

Occupation: An **Aviation Machinist's Mate** (Helicopter) maintains and services helicopter engines and their systems. He supervises aircraft engine shops and keeps records.

Interests & Qualifications: An **Aviation Machinist's Mate (Helicopter)** needs to have mechanical skill. High school courses in algebra, geometry, machine shop, and automobile or aircraft engines are helpful. Work experience in a machine shop is valuable.

Training & Skills: An **Aviation Machinist's Mate (Helicopter)** learns to use hand and power tools for engine repair. He is taught the basic principles of flight and aircraft construction. He learns to identify and repair engine problems. He learns by on-the-job training, by studying special books, or by going to a Navy school.

An **Aviation Machinist's Mate** may be assigned to a carrier or naval air stations. He may also be assigned to flight duty.

Related Occupations: (Civilian)

- Aircraft Engine Mechanic
- Automotive Repairman
- Airport Serviceman

AIRCRAFT MECHANIC AND ENGINE WORKER (JET ENGINE)

Title: AIRCRAFT MECHANIC AND ENGINE WORKER (JET ENGINE)

Civilian D.O.T. No. 621.281

Occupation: The **Aircraft Mechanic and Engine Worker** is trained to perform repair and maintenance work on jet engines. He is familiar with their components and disassembles them for inspection and repair.

Related Military Occupations:

Air Force	Jet Engine Mechanic
Army	Aircraft Turbine Engine Repairman
Coast Guard	Aviation Machinist's Mate
Marine Corps	Aircraft Power Plant Mechanic
Navy	Aviation Machinist's Mate (Jet)

Composite Service Job Statement: In the Armed Services, the **Aircraft Mechanic and Engine Worker (Jet Engine)** services and replaces engines, engine parts and airframe components making necessary repairs required to keep aircraft in safe operating condition.

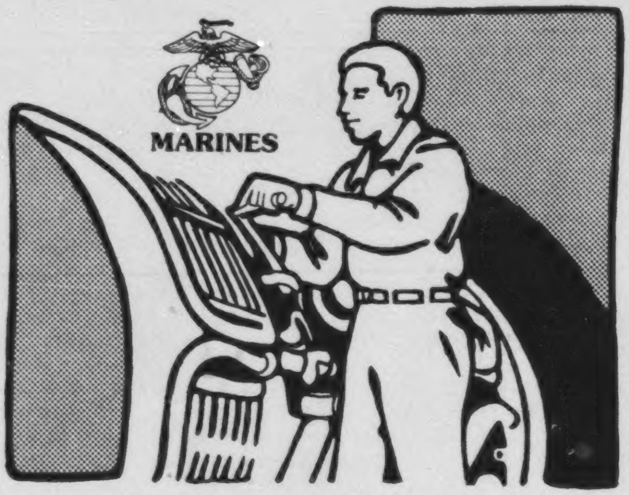
Related Occupations: (Civilian)

- Aircraft Engine Assembler
- Engine Tester

Title: JET ENGINE MECHANIC

Service: AIR FORCE

AFSC/MOS/Rating: 43230



Occupation: As a **Jet Engine Mechanic**, you will inspect and repair jet, gas turbine and turbo-jet missile engines. Part of your job is to troubleshoot and repair engine assemblies according to prescribed procedures.

Interests & Qualifications: It is desirable that a **Jet Engine Mechanic** complete high school. School courses in mechanics and math are very helpful. You must have a score of Mechanical 40 on the Armed Services Vocational Aptitude Battery. Any past work you have done installing or repairing engines of all types will be of help. You must have normal color vision.

This Air Force specialty is open to women.

Training & Skills: To be a **Jet Engine Mechanic**, you must complete the Jet Engine Specialist course (11 weeks) at Chanute Air Force Base, Rantoul, Illinois. This training course will teach you to perform inspections and preventive maintenance. Also, you will learn to repair, maintain, and service jet engines.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Aircraft and Engine Mechanic
- Assembler, Aircraft Power Plant

Title: AIRCRAFT TURBINE ENGINE REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 68B

Occupation: An **Aircraft Turbine Engine Repairman** maintains and repairs turbine engines. He spots problems, takes apart, examines and puts together aircraft parts.

Interests & Qualifications: An **Aircraft Turbine Engine Repairman** needs to have mechanical skill, good eye-hand coordination and needs the ability to read and understand technical instructions. High school courses in auto mechanics, electricity, sheetmetal shop, physics or math are helpful. Engine repair or sheetmetal shop experience is also helpful.

Training & Skills: Those entering this field are taught the use and care of aircraft handtools. Safety rules and service inspection procedures are also learned with most of the training being given on-the-job. Airplane repairman courses are offered along with special schooling in turbines. Methods are also taught in assembling and disassembling turbine engines and instruction given in alignment and modification techniques to overhaul and repair engines.

Related Occupations: (Army)

- Aircraft Powertrain Repairman
- Aircraft Rotor and Propeller Repairman

Title: AVIATION MACHINIST'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: AD

Occupation: The **Aviation Machinist's Mate's** major job is the maintenance and repair of aircraft engines. He also receives special training in basic aero-dynamics, ignition systems, fuel systems, machine elements, and hydraulic systems.

Interests & Qualifications: Aviation Machinist's Mates should be average or above in general learning ability. They should also have an aptitude for mechanics. School courses in algebra, geometry, machine shop and mechanics are very useful. Good hobbies would include auto repair and electronics.

Training & Skills: Upon completion of recruit training, further training for the **Aviation Machinist's Mate** rating begins with 21 weeks of intensive training at Coast Guard Aircraft Repair and Supply Center, Elizabeth City, North Carolina.

To advance, an **Aviation Machinist's Mate** must show he can work safely in such areas as handling, servicing or maintaining aircraft; when he is around gas turbine exhausts, propellers, and rotary wings; and when he works with things like fluids under pressure or airplane jacking.

Related Occupations: (Coast Guard)

- Machinery Technician
- Aviation Structural Mechanic

Title: AIRCRAFT POWER PLANTS MECHANIC

Service: MARINES

AFSC/MOS/Rating: 6021

Occupation: The **Aircraft Power Plants Mechanic** is responsible for the proper operation of aircraft power plants. He performs routine inspection for defective components and performs maintenance repair work as is necessary.

Interests & Qualifications: The **Aircraft Power Plants Mechanic** must have normal color perception. Interests in automobile mechanics or electricity are important. Courses in math and physics or experience in sheet metal shop or engine repair is valuable background experience.

Training & Skills: The **Aircraft Power Plants Mechanic** must complete an appropriate Naval Air Technical Training Center course for instruction in this work. He learns the basics of aircraft power plant operation and how to perform servicing and maintenance work. The use of tools and test equipment is also taught in order to troubleshoot power plant components.

Related Occupations: (Marines)

- Aircraft Flight Engineer, KC-130
- Aircraft Airframes Maintenance Chief

Title: AVIATION MACHINIST'S MATE (JET)

Service: NAVY

AFSC/MOS/Rating: AD

Occupation: An **Aviation Machinist's Mate (Jet)** maintains and services jet engines and their systems. He may also serve as a helicopter mechanic. He supervises aircraft engine shops and keeps records.

Interests & Qualifications: An **Aviation Machinist's Mate (Jet)** needs to have mechanical skill. High school courses in algebra, geometry, machine shop, and automobile or aircraft engines are helpful. Work experience in a machine shop is valuable.

Training & Skills: An **Aviation Machinist's Mate (Jet)** learns to use hand and power tools for engine repair. He is taught the basic principles of flight and aircraft construction. He learns to identify and repair engine problems. He learns by on-the-job training, by studying special books, or by going to a Navy school.

An **Aviation Machinist's Mate** may be assigned to a carrier or naval air stations.

Related Occupations: (Civilian)

- Aircraft Engine Mechanic
- Airport Serviceman
- Automotive Repairman

AIRCRAFT MECHANIC AND ENGINE WORKER (RECIPROCATING/PROP)

Title: AIRCRAFT MECHANIC AND ENGINE WORKER (RECIPROCATING/PROP)

Civilian D.O.T. No. 621.281

Occupation: The **Aircraft Mechanic and Engine Worker** works on the engines of propeller-driven aircraft. He performs preventive maintenance to insure proper working conditions and repairs and replaces parts as necessary.

Related Military Occupation:

Army	0-1/U-6 Airplane Repairman
Coast Guard	Aviation Machinist's Mate
Marine Corps	Aircraft Mechanic/Reciprocating
Navy	Aviation Machinist's Mate (Reciprocating)

Composite Service Job Statement: In the Armed Services, the **Aircraft Mechanic and Engine Worker (Reciprocating/Prop)** services, repairs and overhauls aircraft and aircraft engines to insure airworthiness. He repairs, replaces and assembles parts such as wings and fuselage. He specializes in reciprocating engines.

Related Occupations: (Civilian)

- Engine tester
- Hydraulic tester

Title: 0-1/U-6 AIRPLANE REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 67B

Occupation: An **0-1/U-6 Airplane Repairman** inspects, checks for defects, repairs, and adjusts or replaces parts on airplanes.

Interests & Qualifications: An **0-1/U-6 Airplane Repairman** must have red/green color vision discrimination. He must also have mechanical ability to do repair work, and be able to understand technical instructions. High school courses in auto mechanics, electricity, sheet metal working, math, or physics are helpful. Experience in engine repair or sheet metal shop is also useful.

Training & Skills: Those entering this field are taught the use and care of aircraft handtools, safety rules and service and inspection procedures.

In addition to courses in airplane repair, on-the-job training is received from skilled technicians and airplane manufacturer's representatives.

Related Occupations: (Army)

- U-1A Airplane Repairman
- Airplane Technical Inspector

Title: AVIATION MACHINIST'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: AD

Occupation: The **Aviation Machinist's Mate's** major job is the maintenance and repair of aircraft engines. He also receives special training in basic aero-dynamics, ignition systems, fuel systems, machine elements, and hydraulic systems.

Interests & Qualifications: Aviation Machinist's Mates should be average or above in general learning ability. They should also have an aptitude for mechanics. School courses in algebra, geometry, machine shop and mechanics are very useful. Good hobbies would include auto repair and electronics.

Training & Skills: Upon completion of recruit training, further training for the **Aviation Machinist's Mate** rating begins with 21 weeks of intensive training at Coast Guard Aircraft Repair and Supply Center, Elizabeth City, North Carolina.

To advance, an **Aviation Machinist's Mate** must show he can work safely in such areas as handling, servicing or maintaining aircraft; when he is around gas turbine exhausts, propellers, and rotary wings; and when he works with things like fluids under pressure or airplane jacking.

Related Occupations: (Coast Guard)

- Machinery Technician
- Aviation Structural Mechanic

Title: AIRCRAFT MECHANIC/RECIPROCATING

Service: MARINES

AFSC/MOS/Rating: 6028

Occupation: The **Aircraft Mechanic/Reciprocating** tests and repairs aircraft engines. He works with air, fuel, ignition, lubrication and starting systems.

Interests & Qualifications: The **Aircraft Mechanic/Reciprocating** must have mechanical skills. Working with motors of all kinds is a helpful hobby. Taking mechanical drawing, physics, and a variety of high school courses would be useful.

The **Aircraft Mechanic/Reciprocating** must have normal color perception.

Training & Skills: The **Aircraft Mechanic/Reciprocating** needs many skills. He must know how to interpret shop sketches, schematics, and blueprints. He must know the types and names of fuels and lubricants and depending on his grade, he must be able to perform complete repair of aircraft power plants. Courses are available at the Naval Air Technical Training Center, and the Naval Air Station, Memphis, Tennessee.

Related Occupations: (Marines)

- Aircraft Mechanic

Title: AVIATION MACHINIST'S MATE (RECIPROCATING)

Service: Navy

AFSC/MOS/Rating: AD

Occupation: An **Aviation Machinist's Mate (Reciprocating)** maintains and services reciprocating engines and their systems. He may also serve as a helicopter mechanic. He supervises aircraft engine shops and keeps records.

Interests & Qualifications: An **Aviation Machinist's Mate (Reciprocating)** needs to have mechanical skill. High school courses in algebra, geometry, machine shop, and automobile or aircraft engines are helpful. Work experience in a machine shop is valuable.

Training & Skills: An **Aviation Machinist's Mate (Reciprocating)** learns to use hand and power tools for engine repair. He is taught the basic principles of flight and aircraft construction. He learns to identify and repair engine problems. He learns by on-the-job training, by studying special books, or by going to a Navy school.

An **Aviation Machinist's Mate** may be assigned to a carrier or naval air stations.

Related Occupations: (Civilian)

- Aircraft Engine Mechanic
- Airport Serviceman
- Automotive Repairman

AIRCRAFT MECHANIC (AIRFRAME)

Title: AIRCRAFT MECHANIC (AIRFRAME)

Civilian D.O.T. No. 621.281

Occupation: The **Aircraft Mechanic (Airframe)** performs airframe structural work using specialized tools for repairing and replacing metal and plastic components.

Related Military Occupations:

Air Force	Airframe Repair Specialist
Army	Airframe Repairman
Coast Guard	Aviation Structural Mechanic
Marine Corps	Aircraft Mechanic (Trainee)
Navy	Aviation Structural Mechanic

Composite Service Job Statement: In the Armed Services, the **Aircraft Mechanic (Airframe)** repairs, replaces and assembles parts such as wings and fuselage, rebuilds the airframe and its components.

Related Occupations: (Civilian)

- Aircraft Engine Assembler
- Flight Engineer
- Hydraulic Tester

Title: AIRFRAME REPAIR SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 53430

Occupation: An **Airframe Repair Specialist** repairs, modifies and makes metal and plastic parts for the airframe. He works with aluminum, magnesium, steel, plastic and fiberglass.

Interests & Qualifications: It is desirable that an **Airframe Repair Specialist** complete high school. School courses in mechanics, physics and shop math are helpful. You must have a score of at least Mechanical 40 on the Armed Services Vocational Aptitude Battery. Any knowledge you have of making parts, welding, reading blueprints or mechanical drawings will be of great help.

This Air Force specialty is open to women.

Training & Skills: To be an Air Force **Airframe Repair Specialist,** you must complete the Airframe Repair Specialist course (15 weeks) at Chanute Air Force Base, Rantoul, Illinois. Training includes learning to inspect airframes; figuring damage and estimating repair requirements; and developing layouts for repair. Also taught is the identification and selection of metals; the repair of tubing assembly and the operation and maintenance of various tools.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Skin Man
- Plastics Fabricator

Title: AIRFRAME REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 68G

Occupation: An **Airframe Repairman** removes and replaces damaged parts. He works on aircraft metals, checks and repairs corrosion, and repairs and maintains the handtools and precision instruments used in repair work.

Interests & Qualifications: An **Airframe Repairman** must have normal vision and mechanical skills. He must be able to read and understand technical instructions. High school courses in auto mechanics, electricity, sheet metal working, math or physics are helpful. Engine repair or sheet metal shop experience can also be of value in preparing for this field.

Training & Skills: Those entering this field are taught the use and care of aircraft handtools, safety rules and service and inspection procedures. On-the-job training is given also by skilled technicians. From this, he learns how to assemble and disassemble airframe components for repair. He is instructed on working with metals to fabricate replacement parts. He is also taught how to detect defects and perform maintenance to prevent structural failure.

Related Occupations: (Army)

- Aircraft Hydraulics Repairman
- Aircraft Electrician

Title: AVIATION STRUCTURAL MECHANIC

Service: COAST GUARD

AFSC/MOS/Rating: AM

Occupation: The **Aviation Structural Mechanic** maintains and repairs aircraft surfaces, airframe structures, landing gear, central surfaces, and all attending mechanisms.

Interests & Qualifications: Aviation Structural Mechanics should be average or above in general learning ability and have a definite aptitude for mechanical work. Desirable school courses are shopwork in metal and woodworking, algebra and geometry. Experience in automotive body work and general mechanical work is extremely valuable.

Training & Skills: Upon completion of recruit training, further training for the **Aviation Structural Mechanic** begins with 23 weeks of training at Naval Air Technical Training Center, Memphis, Tennessee. Among other things, an **Aviation Structural Mechanic** learns to work with all kinds of metals, alloys, plastics, and fabrics. He also learns basic aerodynamics, welding, fabrication of sheet metal, and how to operate basic machine shop equipment.

Related Occupations: (Coast Guard)

- Aviation Machinist Mate
- Damage Controlman

Title: AIRCRAFT MECHANIC (TRAINEE)

Service: MARINES

AFSC/MOS/Rating: 6011

Occupation: The **Aircraft Mechanic (Trainee)** learns to inspect aircraft and airframe components under close supervision. He learns to maintain these systems and to perform routine servicing duties relating to flight line operations.

Interests & Qualifications: The **Aircraft Mechanic (Trainee)** must have normal color perception. Interest in mechanics and working with planes is typical of aircraft mechanics. He should enjoy welding and other work with metals. Helpful high school courses include basic math, chemistry and physics. Also general metal or machine shop and mechanical drawing are useful.

Training & Skills: Subjects studied in specialized training include: welding, ignition and carburetion, and aviation oxygen and carbon dioxide theories. Courses are available at the Naval Air Technical Training Center and the Naval Air Station, Memphis, Tennessee. Among the courses are: Aviation Familiarization — 2 weeks; Aviation Mechanical Fundamentals — 3 weeks; Aviation Structural Mechanic (Structures) (A) — 8 weeks.

Related Occupations: (Marines)

- Aircraft Structure Mechanic
- Aircraft Power Plants Mechanic

Title: AVIATION STRUCTURAL MECHANIC

Service: NAVY

AFSC/MOS/Rating: AM

Occupation: An **Aviation Structural Mechanic** maintains and repairs aircraft parts and equipment. He builds replacement parts for aircraft. He works with riveting and welding tools.

Interests & Qualifications: An **Aviation Structural Mechanic** needs mechanical skill. He should like to build and repair things. High school courses in metal and woodworking shop, algebra, plane geometry, and physics are helpful. Work experience in aircraft manufacturing, auto body work, and mechanical work is valuable.

Training & Skills: An **Aviation Structural Mechanic** learns to use power and hand tools. He learns to inspect an aircraft and identify defects. He is taught to repair and maintain aircraft parts. He learns painting, welding and riveting. He may receive on-the-job training or attend a Navy school.

An **Aviation Structural Mechanic** may be stationed on an aircraft carrier or at a naval air station.

Related Occupations: (Civilian)

- Auto Body Repairman
- General Welder
- Tire Rebuilder
- Painter

AIRCRAFT MECHANIC (LINE SERVICE)

Title: AIRCRAFT MECHANIC (LINE SERVICE)

Civilian D.O.T. No. 912.384

Occupation: The **Aircraft Mechanic (Line Service)** services and replaces engine and aircraft components at line station, making repairs short of overhaul required to keep aircraft in safe operating condition.

Related Military Occupations:

Air Force	Aircraft Maintenance Specialist
Army	O-1/U-6 Airplane Repairman
Coast Guard	Aviation Machinist's Mate
Navy	Aviation Machinist's Mate

Composite Service Job Statement: In the Armed Services, the **Aircraft Mechanic (Line Service)** adjusts and replaces parts such as tires, wires, and instruments. He also starts and warms up engines, and taxis airplanes.

Related Occupations: (Civilian)

- Tire Repairman
- Airplane Mechanic

Title: AIRCRAFT MAINTENANCE SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 43131

Occupation: An Air Force **Aircraft Maintenance Specialist**

inspects, repairs, maintains, troubleshoots, services, and modifies aircraft and aircraft equipment. He performs crew chief, flight chief, and maintenance staff functions.

Interests & Qualifications: It is desirable that an Air Force **Aircraft Maintenance Specialist** complete high school. School courses in chemistry, physics, math, industrial arts, mechanics and hydraulics, and shop are helpful. You must have a score of at least Mechanical 50 on the Armed Services Vocational Aptitude Battery. You must have normal color vision.

This Air Force specialty is open to women.

Training & Skills: Air Force enlistees attend an Aircraft Maintenance Specialist course at Sheppard Air Force Base, Wichita Falls, Texas (12-14 weeks). This training course will teach you to perform inspections and preventive maintenance, and to repair and maintain aircraft equipment. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Airplane Mechanic
- Tire and Tube Repairman
- Tire Repairman

Title: 0-1/U-6 AIRPLANE REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 67B

Occupation: An **0-1/U-6 Airplane Repairman** inspects, checks for defects, repairs, and adjusts or replaces parts on airplanes.

Interests & Qualifications: An **0-1/U-6 Airplane Repairman** must have red/green color vision discrimination. He must also have mechanical ability to do repair work, and be able to understand technical instructions. High school courses in auto mechanics, electricity, sheet metal working, math, or physics are helpful. Experience in engine repair or sheet metal shop is also useful.

Training & Skills: Those entering this field are taught the use and care of aircraft handtools, safety rules and service and inspection procedures.

In addition to courses in airplane repair, on-the-job training is received from skilled technicians and airplane manufacturer's representatives.

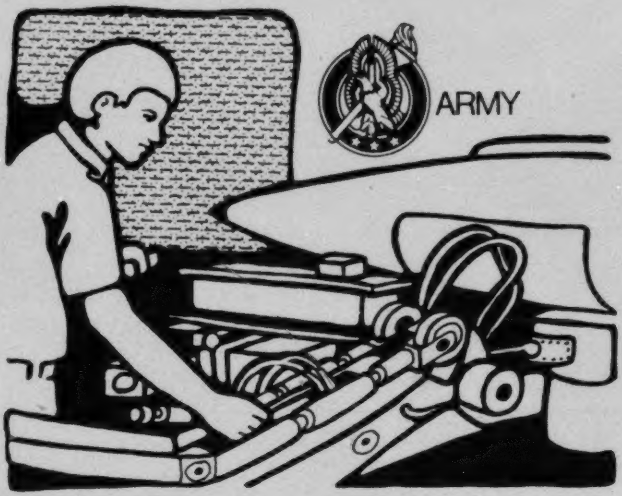
Related Occupations: (Army)

- U-1A Airplane Repairman
- Airplane Technical Inspector

Title: AVIATION MACHINIST'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: AD



Occupation: The **Aviation Machinist's Mate's** major job is the maintenance and repair of aircraft engines. He also receives special training in basic aero-dynamics, ignition systems, fuel systems, machine elements, and hydraulic systems.

Interests & Qualifications: Aviation Machinist's Mates should be average or above in general learning ability. They should also have an aptitude for mechanics. School courses in algebra, geometry, machine shop and mechanics are very useful. Good hobbies would include auto repair and electronics.

Training & Skills: Upon completion of recruit training, further training for the **Aviation Machinist's Mate** rating begins with 21 weeks of intensive training at Coast Guard Aircraft Repair and Supply Center, Elizabeth City, North Carolina.

To advance, an **Aviation Machinist's Mate** must show he can work safely in such areas as handling, servicing or maintaining aircraft; when he is around gas turbine exhausts, propellers, and rotary wings; and when he works with things like fluids under pressure or airplane jacking.

Related Occupations: (Coast Guard)

- Machinery Technician
- Aviation Structural Mechanic

Title: AVIATION MACHINIST'S MATE

Service: Navy

AFSC/MOS/Rating: AD

Occupation: An **Aviation Machinist's Mate** maintains and services aircraft engines and their systems. He may also serve as a helicopter mechanic. He supervises aircraft engine shops and keeps records.

Interests & Qualifications: An **Aviation Machinist's Mate** needs to have mechanical skill. High school courses in algebra, geometry, machine shop, and automobile or aircraft engines are helpful. Work experience in a machine shop is valuable.

Training & Skills: An **Aviation Machinist's Mate** learns to use hand and power tools for engine repair. He is taught the basic principles of flight and aircraft construction. He learns to identify and repair engine problems. He learns by on-the-job training, by studying special books, or by going to a Navy school.

An **Aviation Machinist's Mate** may be assigned to a carrier or naval air stations.

Related Occupations: (Civilian)

- Aircraft Engine Mechanic
- Airport Serviceman
- Automotive Repairman

AIRCRAFT MECHANIC (PLUMBING AND HYDRAULICS)

Title: AIRCRAFT MECHANIC (PLUMBING AND HYDRAULICS)

Civilian D.O.T. No. 862.381

OCCUPATION: The **Aircraft Mechanic (Plumbing and Hydraulics** assembles, installs, and tests plumbing and hydraulics systems on aircraft. He may also work on related ground support equipment.

Related Military Occupations:

Air Force	Aircraft Pneudraulic Repairman
Army	Aircraft Hydraulics Repairman
Coast Guard	Aviation Structural Mechanic
Marine Corps	A/C Hydraulic/Pneumatic Mechanic
Navy	Aviation Structural Mechanic

Composite Service Job Statement: In the Armed Services, the **Aircraft Mechanic (Plumbing and Hydraulics)** is a worker whose duties include inspecting, maintaining and repairing aviation equipment such as pumps, valves, fuel and oil lines, landing gear assemblies, and braking systems.

Related Occupations: (Civilian)

- Air-Brake Fitter
- Gas-Main Fitter
- Pipe Fitter

Title: AIRCRAFT PNEUDRAULIC REPAIRMAN

SERVICE: AIR FORCE

AFSC/MOS/Rating: 42132

Occupation: The Air Force **Aircraft Pneudraulic Repairman** installs, repairs and cleans hydraulic and pneumatic systems in aircraft and ground equipment. He keeps the equipment running by performing routine servicing on hydraulic and pneudraulic systems.

Interests & Qualifications: It is desirable that an Air Force **Aircraft Pneudraulic Repairman** complete high school. School courses in shop are very useful. You must have a score of at least Mechanical or Electronic 40 on the Armed Services Vocational Aptitude Battery. Any past experience you have had working with hydraulic systems, heavy machinery or electricity will be of great use to you. This Air Force specialty is open to women.

Training & Skills: To be an **Aircraft Pneudraulic Repairman,** you must complete the Aircraft Pneudraulic Repairman course (12 weeks) at Chanute Air Force Base, Rantoul, Illinois. This training course will teach you to perform preventive maintenance on aircraft and ground equipment. You will also study about hydraulic systems.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Aircraft Mechanic, Heat and Vent
- Aircraft Mechanic, Plumbing and Hydraulic

Title: AIRCRAFT HYDRAULICS REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 68H

Occupation: An **Aircraft Hydraulics Repairman** inspects, checks for defects, maintains and repairs aircraft hydraulic/pneumatic systems. He also cares for and repairs parts and tools.

Interests & Qualifications: An **Aircraft Hydraulics Repairman** needs mechanical skills to maintain and repair equipment. Helpful courses are auto mechanics, electricity, sheetmetal working and other shop subjects. Also helpful is work in an engine repair or sheet metal shop.

Training & Skills: Those entering this field are taught the use and care of aircraft handtools and instruments. They learn safety rules, fueling, lubricating, and similar service procedures. Much of the training is given on-the-job under skilled technicians and aircraft manufacturer's representatives.

Related Occupations: (Army)

- Airframe Repairman
- Aircraft Turbine Engine Repairman

Title: AVIATION STRUCTURAL MECHANIC

Service: COAST GUARD

AFSC/MOS/Rating: AM

Occupation: The **Aviation Structural Mechanic** maintains and repairs aircraft surfaces, airframe structures, landing gear, central surfaces, and all attending mechanisms.

Interests & Qualifications: Aviation Structural Mechanics should be average or above in general learning ability and have a definite aptitude for mechanical work. Desirable school courses are shopwork in metal and woodworking, algebra and geometry. Experience in automotive body work and general mechanical work is extremely valuable.

Training & Skills: Upon completion of recruit training, further training for the **Aviation Structural Mechanic** begins with 23 weeks of training at Naval Air Technical Training Center, Memphis, Tennessee. Among other things, an **Aviation Structural Mechanic** learns to work with all kinds of metals, alloys, plastics, and fabrics. He also learns basic aerodynamics, welding, fabrication of sheet metal, and how to operate basic machine shop equipment.

Related Occupations: (Coast Guard)

- Aviation Machinist Mate
- Damage Controlman

Title: A/C HYDRAULIC/PNEUMATIC MECHANIC

Service: MARINES

AFSC/MOS/Rating: 6052

Occupation: The **A/C Hydraulic/Pneumatic Mechanic** inspects and repairs the hydraulic/pneumatic components of aircraft. He uses a variety of tools and test equipment and works frequently from specifications and blueprints.

Interests & Qualifications: Because he works with many code color charts, this mechanic must have normal color perception. He must be able to understand blueprints and diagrams of various kinds. Also he must be able to read technical publications.

He should enjoy performing complex mechanical duties.

Training & Skills: Depending on his grade, the mechanic must be able to read schematic diagrams and know about fluids and gases and their use in hydraulic/pneumatic systems. He must be able to operate and maintain aircraft ground support equipment and be familiar with cockpit controls and how to make replacements when necessary. He must be a graduate of an appropriate formal technical school.

Related Occupations: (Marines)

- Aircraft Structure Mechanic
- A/C Safety Equipment Mechanic

Title: AVIATION STRUCTURAL MECHANIC

Service: NAVY

AFSC/MOS/Rating: AM

Occupation: An **Aviation Structural Mechanic** maintains and repairs aircraft parts and equipment. He builds replacement parts for aircraft. He works with riveting and welding tools.

Interests & Qualifications: An **Aviation Structural Mechanic** needs mechanical skill. He should like to build and repair things. High school courses in metal and woodworking shop, algebra, plane geometry and physics are helpful. Work experience in aircraft manufacturing, auto body work, and mechanical work is valuable.

Training & Skills: An **Aviation Structural Mechanic** learns to use power and hand tools. He learns to inspect an aircraft and identify defects. He is taught to repair and maintain aircraft parts. He learns painting, welding and riveting. He may receive on-the-job training or attend a Navy school.

An **Aviation Structural Mechanic** may be stationed on an aircraft carrier or at a naval air station.

Related Occupations: (Civilian)

- Auto Body Repairman
- General Welder
- Tire Rebuilder
- Painter

ASSEMBLER (MUNITIONS)

Title: ASSEMBLER (MUNITIONS)

Civilian D.O.T. No. 736.884

Occupation: The **Assembler (Munitions)** loads, unloads, and stores ammunition and ammunition components. He may assemble fittings on bombs. He may also be involved with materials such as guns, mines, shells, fuses, and rockets.

Related Military Occupations:

Air Force	Weapons Mechanic
Air Force	Munitions Maintenance Specialist
Army	Ammunition Maintenance Specialist
Marine Corps	Infantry Weapon Repairman
Navy	Mineman

Composite Service Job Statement: In the Armed Services, the **Assembler** may assemble small arms, artillery, and subassemblies such as triggers and bolts. He may examine subassemblies for nicks and machine marks. In addition, he may be involved with the storage, issue, and maintenance of explosives. This includes loading and unloading ammunition, and taking care of inventory and clerical duties.

Related Occupations: (Civilian)

- Barrel Finisher
- Barrel Loader and Cleaner
- Inspector, Live Ammunition

Title: WEAPONS MECHANIC

Service: AIR FORCE

AFSC/MOS/Rating: 46230

Occupation: A **Weapons Mechanic** works with nuclear and nonnuclear weapons. He inspects and repairs the weapons and also maintains and repairs safety devices aboard airplanes.

Interests & Qualifications: To be an Air Force **Weapons Mechanic,** you must complete high school, or have the GED equivalent. School courses in mechanics and shop repair are helpful. You must have a score of at least Mechanical or Electronic 60 on the Armed Services Vocational Aptitude Battery. You must have normal color vision and depth perception, have no record of emotional instability and be a U.S. citizen.

This Air Force specialty is open to women.

Training & Skills: It is desirable that an Air Force **Weapons Mechanic** complete a Basic Weapons Maintenance course offered at Lowry Air Force Base, Denver, Colorado (6-12 weeks). This training course will teach you such things as loading and positioning weapons on aircraft, inspecting and maintaining launch and loading gear, and how to work with missile suspension and monitor systems. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Armorer
- Armament Installer

Title: MUNITIONS MAINTENANCE SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 46130

Occupation: An Air Force **Munitions Maintenance Specialist** uncrates and stores shipments of armaments and ensures shipments are correct. He also helps to assemble rockets and missiles and disposes of unserviceable or excess ammunition.

Interests & Qualifications: An Air Force **Munitions Maintenance Specialist** must complete high school or have the GED equivalent. School courses in physics, math, shop math and mechanics are very helpful. You must have a score of at least Electronic or Mechanical 60 on the Armed Services Vocational Aptitude Battery. (Administrative 40 is acceptable.) You must have normal color vision and depth perception, have no record of emotional instability and be a U.S. citizen. This Air Force specialty is open to women.

Training & Skills: To be an Air Force **Munitions Maintenance Specialist,** you must complete the Munition Maintenance Specialist course offered at Lowry Air Force, Denver, Colorado (6 weeks). This training course will teach you the handling of nuclear weapons and the supervision of other workers. You will learn to receive, identify and store munitions. You will also learn their transport and loading and unloading techniques.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Explosive Operator

Title: AMMUNITION MAINTENANCE SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 55C

Occupation: An **Ammunition Maintenance Specialist** handles conventional ammunition. He works with ammunition containers, rockets, chemical and non-nuclear ammunition.

Interests & Qualifications: An **Ammunition Maintenance Specialist** needs to have mechanical skill to use tools. He needs to reason well, solve problems, and be able to understand and explain technical information. High school courses in chemistry, math or electricity would be helpful. Also helpful is experience in construction or excavation.

Training & Skills: Those entering this field learn to load, unload, store and transport ammunition. They are also taught to use tools and to use safety precautions at all times. Instruction is given on how to run electrical and mechanical tests on equipment, how to maintain and repair equipment, perform simple adjustments, how to use fire fighting equipment and how to dispose of nonrepairable ammunition.

Related Occupations: (Army)

- Ammunition Helper
- Explosive Ordnance Disposal Specialist

Title: INFANTRY WEAPON REPAIRMAN

Service: MARINES

AFSC/MOS/Rating: 2111

Occupation: The **Infantry Weapon Repairman** inspects infantry weapons. He tests to see if they are working by simulated or actual firing. He works with a great variety of weapons from rifles and pistols to mortars and rocket launchers.

Interests & Qualifications: The **Infantry Weapon Repairman** should enjoy fixing things and working with many different kinds of weapons. Helpful high school courses include physics, math and a variety of shop courses. Useful hobbies are gun collecting and experience with cleaning and taking care of guns.

Training & Skills: Depending on grade, the **Infantry Weapon Repairman** must be able to take apart and put together infantry weapons. He must know their names and names of parts and how they work. He must also know how to do preventive maintenance and how to repair infantry weapons. To do this he must know the types and use of lubricants, abrasives, and preservatives. A 8-week course is taught at U.S. Army Aberdeen Proving Ground, Maryland.

Related Occupations: (Marines)

- Repair Shop Machinist
- Tracked Vehicle Repairman

Title: MINEMAN

Service: NAVY

AFSC/MOS/Rating: MN

Occupation: A **Mineman** assembles and repairs mines. He tests electrical and electronic mine circuits and solves electrical problems related to mines.

Interests & Qualifications: A **Mineman** should have good math ability and concentration. He must be able to work well with his hands. High school courses in electricity, machine shop, welding, mechanical drawing, and shop mathematics are helpful. Experience in electricity, welding, or machine tools is valuable.

Training & Skills: A **Mineman** learns how to work with explosives safely. He studies basic physics and electricity. He learns to use metal-working tools and electrical measuring tools. He receives training at a Navy school.

A **Mineman** is stationed at shore or air stations.

Related Occupations: (Civilian)

- Ammunitions Foreman
- Ordnanceman
- Mine Assembler
- Electrician

AUTOMOBILE-BODY REPAIRMAN

Title: AUTOMOBILE-BODY REPAIRMAN

Civilian D.O.T. No. 807.381

Occupation: The **Automobile-Body Repairman** repairs damaged bodies and body parts of automotive vehicles such as automobiles and light trucks.

Related Military Occupations:

Army	Metal Working Assistant
Marine Corps	Body Repairman
Navy	Aviation Support Equipment Technician

Composite Service Job Statement: the **Automobile-Body Repairman** repairs and/or removes damaged fenders, panels and grills using wrenches, power tools and welding equipment. He files, grinds, sands, and refinishes repaired surfaces and may repaint surfaces and performing repairs.

Related Occupations: (Civilian)

- Automobile Collision Serviceman
- Body and Fender Repairman
- Dent Remover

Title: METALWORKING ASSISTANT

Service: ARMY

AFSC/MOS/Rating: 44A

Occupation: A **Metalworking Assistant** helps in setting up, running, and maintaining all types of metal working tools. This equipment is used for machinery, welding, forging, and metal body repair.

Interests & Qualifications: A **Metalworking Assistant** needs to have mechanical skill and be able to reason well and solve problems. It's important to have good vision, eye-hand coordination and be able to work well with his hands. High school courses in math, physics, and sheetmetal shop are helpful. So is work experience in a welding or sheetmetal shop.

Training & Skills: Those entering this field are taught the basics of math, physics, and electrical and fuel systems. Also taught are the use of tools, gauges and testing equipment; the names, location and characteristics of weapons, vehicles and machines; and related safety precautions. They also learn to sand, buff and clean metal for painting; learn how to read mechanical drawings and learn how to assemble parts by employing various types of welding techniques.

Related Occupations: (Army)

- Metal Body Repairman
- Metalworking Foreman

Title: BODY REPAIRMAN

Service: MARINES

AFSC/MOS/Rating: 3513

Occupation: The **Body Repairman** checks automotive bodies. He then does any necessary repair or paint work. He makes minor repairs to tools, orders parts and supplies, and prepares vehicles for storage.

Interests & Qualifications: Body Repairmen enjoy making cars look good and doing preventive maintenance. This position is open to both men and women. Suggested high school courses include math, general metal or machine shop, mechanical drawing and English as well as auto mechanics courses.

Experience working in a garage or body shop would be useful.

Training & Skills: Depending on his grade, the **Body Repairman** must be able to drive motor vehicles up to 2½ ton capacity. He also needs to be able to keep vehicle bodies in good shape and paint them either with brush or spray. He also must be able to use power tools. A formal course of instruction is available at Aberdeen Proving Ground, Maryland lasting 8 weeks.

Related Occupations: (Marines)

- Metal Worker
- Repair Shop Machinist

Title: AVIATION SUPPORT EQUIPMENT TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: AS

Occupation: An **Aviation Support Equipment Technician** services, tests, and repairs the automotive equipment attached to aircraft on the ground or on deck. He works with batteries, brakes, transmissions, and fuel systems.

Interests & Qualifications: An **Aviation Support Equipment Technician** needs mechanical and electrical skill. High school courses in automobile mechanics, machine shop, mathematics and physics are helpful. Work experience as an auto mechanic is valuable.

Training & Skills: An **Aviation Support Equipment Technician** learns about electricity, hydraulics, and internal combustion engines. He is also taught welding and soldering. These things he learns on-the-job, by studying special books, or by attending a Navy school.

An **Aviation Support Equipment Technician** may be stationed aborad an aircraft carrier or at a naval air station.

Related Occupations: (Civilian)

- Auto Mechanic
- Diesel Mechanic
- Auto Electrician
- Airport Serviceman

AUTOMOBILE MECHANIC

Title: AUTOMOBILE MECHANIC

Civilian D.O.T. No. 620.281

Occupation: The **Automobile Mechanic** locates malfunctions and repairs or replaces components of automobiles to insure their proper operation.

Related Military Occupations:

Air Force	General Purpose Vehicle Repairman
Army	Automotive Repairman
Coast Guard	Machinery Technician
Marine Corps	Organizational Automotive Mechanic
Navy	Construction Mechanic

Composite Service Job Statement: In the Armed Services, the **Automobile Mechanic** repairs and overhauls automobiles, light trucks, and other vehicles. He inspects and diagnosis malfunctions of engines, electrical systems, and drive trains.

Related Occupations: (Civilian)

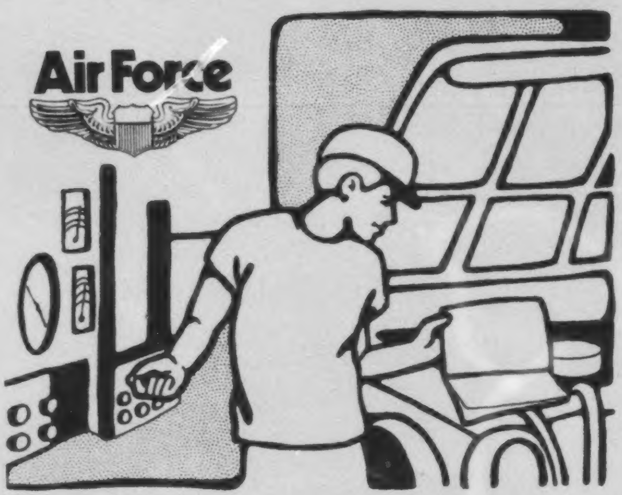
- Automotive Section Chief
- Garage Foreman
- Repair Shop Foreman

Title: GENERAL PURPOSE VEHICLE REPAIRMAN

Service: AIR FORCE

AFSC/MOS/Rating: 47330

Occupation: A **General Purpose Vehicle Repairman** inspects, maintains, and repairs general purpose vehicles. Duties include engine tune-up, servicing transmissions, cooling system repair, and lubrication system service and repair.



Interests & Qualifications: It is desirable that a **General Purpose Vehicle Repairman** complete high school. School courses in auto mechanics and physics are helpful. You must have a score of at least Mechanical 40 on the Armed Services Vocational Aptitude Battery. Any work you have done with engines of all types, reading parts lists or doing mechanical work will be of help to you. This Air Force specialty is open to women.

Training & Skills: A General Purpose Vehicle Repairman course (12 weeks) is offered at Chanute Air Force Base, Rantoul, Illinois. This training course will teach you to remove, replace, adjust and overhaul engines. You will learn to perform preventive maintenance and service front-end and steering systems.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Automobile Service Mechanic
- Gasoline Engine Repairman
- Diesel Mechanic

Title: AUTOMOTIVE REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 63H

Occupation: An **Automotive Repairman** inspects, spots problems, tests, repairs, overhauls and adjusts parts. He replaces parts like valves, shafts, gears, bearing rings and seals. He also works on transmissions and clutches.

Interests & Qualifications: An **Automotive Repairman** must have mechanical skills and be able to reason well and solve problems. Good vision, eye-hand coordination and ability to work well with your hands are important. High school courses in math, physics, auto mechanics or other shop subjects are helpful. Also helpful is work experiences in auto or farm machinery repair.

Training & Skills: Those entering this field are taught the basics of math, physics and electrical and fuel systems. They learn to diagnose automobile failure and how to make repairs to restore proper working order. They are also instructed on engine overhaul procedures and how to assemble and disassemble components. They are informed on servicing auto hydraulic systems and how to use tools to repair valves and gear mechanisms.

Related Occupations: (Army)

- Track and Vehicle Mechanic
- Mechanical Maintenance Helper

Title: MACHINERY TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: MK

Occupation: The **Machinery Technician** operates, maintains, and repairs internal combustion engines. He also works on propulsion boilers, steam turbines and power transmission equipment.

Interests & Qualifications: A **Machinery Technician** should be average or above in math. He should have an aptitude for mechanics. Helpful school studies include machine shop, electricity, and various math courses. Experience as a mechanic, machinist, or power plant operator is very helpful.

Training & Skills: After recruit training, the **Machinery Technician** may attend a 16-week school at the Coast Guard Reserve Training Center, Yorktown, Virginia. Or, he may train on-the-job and through the study of manuals and publications.

The Machinery Technician may learn to maintain and repair a number of related machines and engines including air-conditioning equipment, cranes, winches, and elevators.

Related Occupations: (Coast Guard)

- Damage Controlman
- Electrician's Mate

Title: ORGANIZATIONAL AUTOMOTIVE MECHANIC

Service: MARINES

AFSC/MOS/Rating: 3521

Occupation: The **Organizational Automotive Mechanic** works with motor vehicles used to transport things. He inspects, services and repairs automobiles. He finds out what is wrong with the vehicle by testing it or using a precision measuring tool.

Interests & Qualifications: Organizational Automotive Mechanics like to work with their hands and fix things. Both men and women can do this job. A helpful hobby would be working on car motors and other motors. Useful high school courses include basic math and science; general, metal or machine shop and mechanical drawing are also helpful.

Training & Skills: Depending on grade, the **Organizational Automotive Mechanic** needs to be able to drive a truck up to 2½ ton capacity. Also, he must be able to adjust and replace brake systems and be able to use precision test equipment to find out what is wrong with electrical systems. Training is available: Basic Automotive Mechanic, Camp Lejeune, North Carolina — 10 weeks.

Related Occupations: (Marines)

- Engineer Equipment Chief
- Repair Shop Machinist

Title: CONSTRUCTION MECHANIC

Service: NAVY

AFSC/MOS/Rating: CM

Occupation: A **Construction Mechanic** maintains and repairs heavy construction equipment and automotive engines. He operates garage equipment used for moving and testing auto machinery.

Interests & Qualifications: A **Construction Mechanic** should be physically strong and coordinated. He needs mechanical skill. High school courses in electrical shop, machine shop, shop mathematics, and physics are helpful. Work experience as a machinist, millwright, or auto mechanic is valuable.

Training & Skills: A **Construction Mechanic** learns to operate and repair heavy equipment. He is taught through on-the-job experience, the study of training manuals, or by attending a Navy school.

A **Construction Mechanic** may be assigned to naval shore activities and to mobile construction battalions.

Related Occupations: (Civilian)

- Automotive Mechanic
- Diesel Engine Mechanic
- Automotive Serviceman

BOATSWAIN

Title: BOATSWAIN

Civilian D.O.T. No. 911.131

Occupation: The **Boatswain** operates small craft. He can handle them under various conditions and must be familiar with safety and navigation rules.

Related Military Occupations

Army	Watercraft Operator
Coast Guard	Boatswain's Mate
Navy	Boatswain's Mate

Composite Service Job Statement: In the Armed Services, the **Boatswain** supervises deckhands engaged in cleaning decks and lifeboats, chipping, scraping, wire brushing, and painting decks. He examines cargo-handling gear and lifesaving equipment. He works with crewmen engaged in repairing or replacing defective gear and components. He also operates and directs the operation of a variety of small craft.

Related Occupations: (Civilian)

- Barge Captain
- Lock Tender
- Waterway Traffic Checker

Title: WATERCRAFT OPERATOR

Service: ARMY

AFSC/MOS/Rating: 61B

Occupation: A **Watercraft Operator** performs deck duties on army watercraft. He uses sounding devices, aids to navigation and ship running lights. He may also do maintenance and apply fire and rescue procedures.

Interests & qualifications: A **Watercraft Operator** must have mechanical skill, the ability to reason, and the ability to solve problems. He also needs good eye-hand coordination and an understanding of technical instructions. Good vision and good hearing are also important. High school courses in driving and auto mechanics are helpful. Also helpful is actual experience in driving watercraft.

Training & Skills: Those entering this field are taught safety methods for use of vehicles during daylight, night or under blackout conditions. They learn how to run, load and maintain safe distances and how to use emergency devices. They also learn to apply fire and rescue procedures and to use towing signals and navigational instruments including charts, compass, and military maps. They learn also to send and receive messages with blinker signal by international Morse Code.

Related Occupations: (Army)

- Amphibian Operator
- Seaman
- Marine Engineer
- Amphibian Engineer

Title: BOATSWAIN'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: BM

Occupation: The **Boatswain's Mate** is the master seaman — a person skilled in all phases of seamanship and supervision of deck personnel. He acts as an officer in charge of patrol boats, tugs, small crafts and small shore units.

Interests & Qualifications: Boatswain's Mates must be leaders. They must be physically strong with good hearing and vision. They should be above average in general learning ability and be able to work well with their hands. School courses in algebra, geometry, and shop are helpful. Previous experience handling small boats is also helpful.

Training & Skills: After recruit training, the **Boatswain's Mate** begins regular shipboard duties under the direction of experienced personnel. He also studies appropriate training manuals and publications.

The **Boatswain's Mate** learns to do all the tasks necessary for the operation of small boats, navigation, entering or leaving port, storing cargo, and handling ropes and lines.

Related Occupations: (Coast Guard)

- Quartermaster

Title: BOATSWAIN'S MATE

Service: NAVY

AFSC/MOS/Rating: BM

Occupation: A **Boatswain's Mate** supervises cargo handling and storage; takes command of tugs, barges, and other small craft; and serves as a steersman. He supervises the deck crew; directs landing and rescue operations and teaches seamanship.

Interests & Qualifications: A **Boatswain's Mate** must have leadership ability and physical strength. His vision, hearing, and manual dexterity must be good. High school courses in practical arithmetic, algebra, geometry and physics are helpful. Experience in handling small boats is valuable.

Training & Skills: A **Boatswain's Mate** is trained in small boat handling, piloting, and navigation. He learns all-round seamanship, cargo handling, and meteorology. He receives his training through on-the-job experience and the study of special manuals.

A **Boatswain's Mate** may be stationed aboard ship or on shore.

Related Occupations: (Civilian)

- Motorboat Operator
- Barge Operator
- Pier Superintendent

BOILER OPERATOR

Title: BOILER OPERATOR

Civilian D.O.T. No. 950.782

Occupation: The **Boiler Operator** is responsible for regulating the fuel, water and air supply amounts that flow through boiler equipment. He sees to it that the equipment is functioning to maintain proper steam pressure.

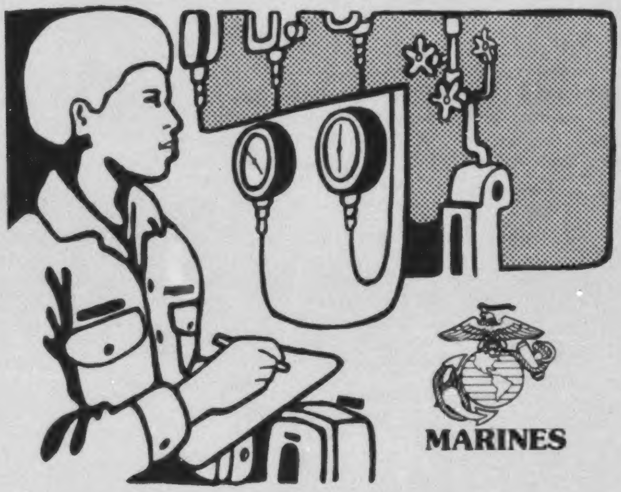
Related Military Occupations:

Air Force	Heating Systems Specialist
Coast Guard	Machinery Technician
Marine Corps	Plumbing and Water Supplyman
Navy	Boiler Technician

Composite Service Job Statement: In the Armed Services, the **Boiler Operator** operates and maintains stationary engines and mechanical equipment such as steam engines, generators and steam boilers to provide utilities such as light, heat and power. He reads gauges and adjusts controls to maintain proper operating conditions. He records data on temperature, fuel consumption and hours of operation.

Related Occupations: (Civilian)

- Maintenance Engineer
- Power Plant Operator
- Steam Power Plant Operator



Title: HEATING SYSTEMS SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 54730

Occupation: The **Heating Systems Specialist** installs, maintains, repairs and operates heating plants, systems, and equipment. He works from blueprints, drawings and detailed specifications.

Interests & Qualifications: It is desirable that an Air Force **Heating Systems Specialist** complete high school. School courses in shop and math are helpful. You must have a score of at least Mechanical 40 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: A Heating Systems Specialist course (10 weeks) is offered at Sheppard Air Force Base, Wichita Falls, Texas. This course covers the installation of furnaces and heaters; the conversion of coal burning furnaces to oil and gas; the operation of all kinds of burning units; and the operation and maintenance of complete steam and hot water heating systems.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Furnace Operator
- Furnace Installer and Repairman
- Ventilation Man

Title: MACHINERY TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: MK

Occupation: The **Machinery Technician** operates, maintains, and repairs internal combustion engines. He also works on propulsion boilers, steam turbines and power transmission equipment.

Interests & Qualifications: A **Machinery Technician** should be average or above in math. He should have an aptitude for mechanics. Helpful school studies include machine shop, electricity, and various math courses. Experience as a mechanic, machinist, or power plant operator is very helpful.

Training & Skills: After recruit training, the **Machinery Technician** may attend a 16-week school at the Coast Guard Reserve Training Center, Yorktown, Virginia. Or, he may train on-the-job or through the study of manuals and publications.

The **Machinery Technician** may learn to maintain and repair a number of related machines and engines including air-conditioning equipment, cranes, winches, and elevators.

Related Occupations: (Coast Guard)

- Damage Controlman
- Electrician's Mate

Title: PLUMBING AND WATER SUPPLY MAN

Service: MARINES

AFSC/MOS/Rating: 1121

Occupation: The **Plumbing and Water Supply Man** works with heating, sewage and water supply systems. He installs, operates, and repairs them. In addition, he enforces safety and sanitary regulations.

Interests & Qualifications: The **Plumbing and Water Supply Man** likes to work with his hands and fix things. He works mostly inside.

This position is open to both men and women.

Helpful high school courses include basic math, physics, and chemistry. General, electric or machine shop courses are also useful.

Training & Skills: Depending on his grade, the **Plumbing and Water Supply Man** needs to be able to figure out what is wrong with plumbing and water supply equipment. He must be able to install and maintain plumbing in cold weather and know how to select and develop water supply sources. Topics studied in training include well-digging, pipefitting, pumps and filters. A 7-week training program in plumbing and water supply is available at Marine Corps Engineer School, Camp Lejeune, North Carolina.

Related Occupations: (Marines)

- Utilities Chief

Title: BOILER TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: BT

Occupation: A **Boiler Technician** operates all types of marine boilers and fireroom machinery. He maintains and repairs boilers, pumps, and related machinery.

Interests & Qualifications: A **Boiler Technician** needs mechanical skill. He should be able to work with power and hand tools. High school courses in mathematics, physics, and shop are helpful.

Training & Skills: A **Boiler Technician** learns to operate and repair ship boilers. He is taught to test and inspect boilers; keep records of inspections; read and work from blueprints; and use hand and power tools. A **Boiler Technician** receives on-the-job training, studies training manuals and attends Navy courses.

Boiler Technicians may be stationed at naval ship yards or aboard steam powered ships.

Related Occupations: (Civilian)

- Boiler Operator
- Heating Plant Operator
- Boiler Shop Mechanic

BOOKKEEPER

Title: BOOKKEEPER

Civilian D.O.T. No. 210.388

Occupation: The **Bookkeeper** is in charge of recording all company financial transactions. He keeps track of earnings and expenses. He maintains records and files, and keeps them accurate and current.

Related Military Occupations:

Air Force	General Accounting Specialist
Army	Finance Specialist
Coast Guard	Storekeeper
Marine Corps	Auditing Technician
Navy	Disbursing Clerk

Composite Service Job Statement: In the Armed Services, the **Bookkeeper** maintains bookkeeping records and analyzes and verifies current records. He examines transactions, makes entries into ledgers and on other bookkeeping forms. He keeps accurate filing systems of his work and keeps current reports of salaries. He computes the deductions withheld and the bills paid out.

Related Occupations: (Civilian)

- Audit Clerk
- Insurance Clerk
- Accounting Clerk

Title: GENERAL ACCOUNTING SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 67131

Occupation: An Air Force **General Accounting Specialist** maintains financial records and keeps track of funds and expenses. He prepares reports, files and reviews expense data.

Interests & Qualifications: To be an Air Force **General Accounting Specialist,** you must complete high school. School courses in math, statistics, and business machines are very helpful. You must have a score of at least Administrative 80 on the Armed Services Vocational Aptitude Battery. This Air Force specialty is open to women.

Training & Skills: An Air Force **General Accounting Specialist** must complete the General Accounting Specialist course (11 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. This course will train you to operate accounting machines such as adding machines, comptometers, and calculators.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Bookkeeper
- Cost Accountant
- Accounting Clerk
- Posting Clerk

Title: FINANCE SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 73C

Occupation: A **Finance Specialist** supervises or receives and sends out cash. He also keeps financial records on pay, leave and travel.

Interests & Qualifications: A **Finance Specialist** must have a basic knowledge of math. He must be able to work closely with others and make decisions. This person needs to have office skills (typing, filing) and know office procedures. High school courses in business and basic math are helpful as is actual office experience.

Training & Skills: Those entering this field are trained in writing reports, typing records and forms, using the Army file system, using office machines and basic military pay and accounting procedures.

As you gain experience you may move into positions of supervision.

Related Occupations: (Army)

- Clerk Typist
- Legal Clerk
- Postal Clerk
- Accounting Specialist

Title: STOREKEEPER

Service: COAST GUARD

AFSC/MOS/Rating: SK

Occupation: The **Storekeeper** provides and accounts for a constant supply of pay, clothing, commissary items, and spare parts. He is also adept at personnel management and decision making.

Interests & Qualifications: Storekeepers should be average or above in general learning ability. They should be able to solve problems quickly and accurately. They must be able to write and print legibly. They must also record numbers accurately and neatly. School courses in bookkeeping, accounting, arithmetic and English are desirable, as is practical experience in stock inventorying and operating office machines.

Training & Skills: After recruit training, the **Storekeeper** may take 10 weeks training at Coast Guard Training Center, Petaluma, California. Sometimes, the **Storekeeper** is trained on-the-job and by study of manuals.

Among other things, the **Storekeeper** learns the principles of supply ordering, receiving, inventory, and disbursement.

Related Occupations: (Coast Guard)

- Yeoman

Title: AUDITING TECHNICIAN

Service: MARINES

AFSC/MOS/Rating: 3411

Occupation: The **Auditing Technician** assists in the internal auditing examination of accounting and financial records of Marine Corps units. He helps determine compliance with designated procedures of operation.

Interests & Qualifications: The **Auditing Technician** should have an interest in clerical work such as typing, bookkeeping, and stenography. Courses in business are helpful as is any knowledge of administrative and office procedures with specific military application.

Training & Skills: The **Auditing Technician** learns to type and run calculating and adding machines through appropriate training courses. He also learns to use accounting ledgers and how to prepare balance sheets and statements of operation for review.

Related Occupations: (Marines)

- Accounting Analyst/Finance Chief

Title: DISBURSING CLERK

Service: NAVY

AFSC/MOS/Rating: DK

Occupation: A **Disbursing Clerk** computes the amount of pay due naval personnel. He prepares payrolls and keeps pay records. He also maintains disbursing office files and arranges payment for supplies and services furnished to the Navy.

Interests & Qualifications: A **Disbursing Clerk** should be able to work well with numbers and write legibly. Helpful high school courses would include typing, bookkeeping, accounting, business arithmetic, and office practice. Experience as a bookkeeper, clerk typist, office machine operator, or cashier is helpful.

Training & Skills: A **Disbursing Clerk** learns how to use office machines, how to handle pay and allotment records, and office procedures. Training for **Disbursing Clerk** may be received through Navy schools or through on-the-job experience combined with a study of Navy training courses.

A **Disbursing Clerk** works in the supply department aboard ship or a naval finance office ashore.

Related Occupations: (Civilian)

- Paymaster
- Cashier
- Timekeeper
- Audit Clerk
- Desk Clerk

CABLE SPLICER

Title: CABLE SPLICER

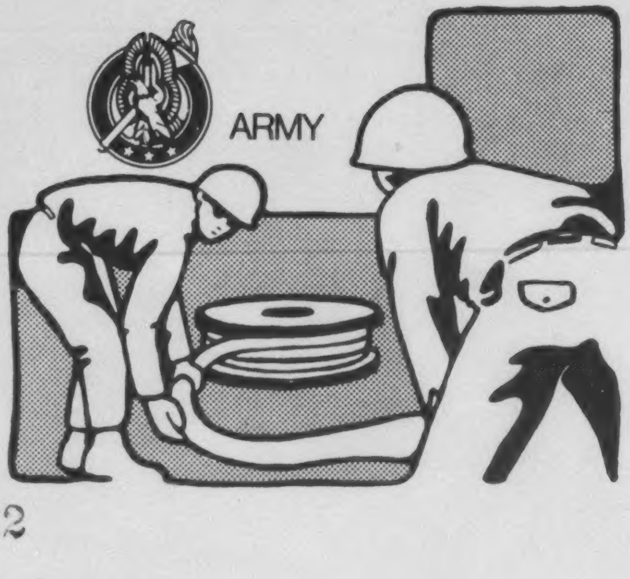
Civilian D.O.T. No. 829.381

Occupation: The **Cable Splicer** joins cables to conduct electricity in power transmissions and communications systems.

Related Military Occupations:

Army	Cable Splicer
Coast Guard	Telephone Technician
Marine Corps	Cable Systems Technician
Navy	Steelworker

Composite Service Job Statement: In the Armed Services, the **Cable Splicer** splices overhead and underground



cables used in telephone and telegraph communication and electric power transmission systems. He tests and repairs cables, locates and installs terminals with the use of hand tools and cable splicing equipment.

Related Occupations: (Civilian)

- Cable Repairman
- Equipment Installer
- Wiring Inspector

Title: CABLE SPLICER

Service: ARMY

AFSC/MOS/Rating: 36E

Occupation: A **Cable Splicer** prepares, tests and joins insulated cables. He spots problems and repairs them and locates and installs cable terminals. He also interprets line route maps and circuit and splice diagrams.

Interests & Qualifications: A **Cable Splicer** must have mechanical skill, be able to reason well and solve problems. He needs to be able to understand technical data. He also needs good vision and hearing, eye-hand coordination and the ability to work well with his hands. High school courses in electricity, physics, math, electronics and blueprint reading are helpful. Work experience in putting together small parts is also helpful.

Training & Skills: Those in this field are taught the basics of electricity, the sending of sound, reading diagrams and how to install and maintain wire systems. They learn how to climb poles and operate pump equipment, operate mechanical ladders, hydraulic booms, terminate and connect cable to distribution boxes, splice and seal openings in aerial, underground and central office installations and perform electrical tests to locate and diagnose cable malfunctions.

Related Occupations: (Army)

- Telephone Installer and Lineman
- Manual Central Office Repairman

Title: TELEPHONE TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: TT

Occupation: The **Telephone Technician** operates and repairs all kinds of wire-constructed communication equipment. He installs antennas and helps construct pole lines and cable plants.

Interests & Qualifications: A **Telephone Technician** should have mechanical skill, good eye-hand coordination, and be interested in electricity and electronics. Helpful school courses include algebra, physics, and electricity. Helpful hobbies include making and repairing radios. Any experience working with communications equipment is useful.

Training & Skills: After completion of recruit training, the **Telephone Technician** goes to a 12-week electronics technician school. This is followed by a 14-week specialized training session. Both of these are held at Coast Guard Training Center, Governor's Island, New York. A **Telephone Technician** will find much of his training involves learning to work with electric/electronic equipment. He will operate and repair telephone, teletype, telegraph, PBX exchange, switchboard, and public address systems.

Related Occupations: (Coast Guard)

- Electronics Technician
- Aviation Electrician's Mate
- Electrician's Mate

Title: CABLE SYSTEMS TECHNICIAN

Service: MARINES

AFSC/MOS/Rating: 2813

Occupation: The **Cable Systems Technician** installs telephones, switchboards, and related equipment. He also does inspections and preventive maintenance. Teaching use of telephone and switchboard equipment may also be part of the duties.

Interests & Qualifications: A secret security clearance is required.

The **Cable Systems Technician** should enjoy working with his hands and fixing things.

Helpful high school courses include basic math, physics, and electric shop.

Training & Skills: Depending on grade, he must be able to read color code charts and schematic wiring diagrams of telephone systems. He must know how to connect parts of a telephone system with devices such as teletypewriters. Knowing how to prepare inspection and maintenance schedules is important.

A 12-weeks basic electronics and an 8-weeks telephone switchboard repair course is required before going to the Cable Splicing Course. The first two are at 29 Palms, California and Cable Splicing is with the Air Force.

Related Occupations: (Marines)

- Ground Radio Repairman
- Wireman
- Central Office Installer

Title: STEELWORKER

Service: NAVY

AFSC/MOS/Rating: SW

Occupation: The **Steelworker** rigs and operates hoisting equipment to erect or dismantle steel bridges, piers, buildings and the like. He welds, cuts and bolts steel plates used in this construction.

Interests & Qualifications: The **Steelworker** should have good physical stamina and strength plus the ability to work in high places. An aptitude for using numbers and mechanical work is most helpful.

A high school education including courses in sheet metal, machine shop and foundry is desirable. Any experience in construction work is most valuable.

Training & Skills: After attending recruit training, the rating of a **Steelworker** may be obtained through on-the-job training under experienced personnel. The additional study of manuals will give the **Steelworker** skills in mathematics, blueprint reading, welding, metal layout and related work.

Technical schooling is also available. A **Steelworker** may be stationed at naval shore activities or in mobile construction battalions.

Related Occupations: (Civilian)

- Shipfitter

CARPENTER

Title: CARPENTER

Civilian D.O.T. No. 860.381

Occupation: The **Carpenter** is trained to work with wood. He constructs cabinets, floors, doors, and other wood structures. He also uses various tools to fit and hang metal parts and repair damaged wood.

Related Military Occupations:

Air Force	Carpentry Specialist
Army	Carpenter
Coast Guard	Damage Controlman
Marine Corps	Combat Engineer
Navy	Patternmaker

Composite Service Job Statement: In the Armed Services, the **Carpenter** constructs, maintains and repairs buildings, structures, models and pre-fabricated structures. He examines and builds according to blueprints and drawings, and coordinates his work to accommodate plumbing, heating and electrical installations. He inspects for defective materials and workmanship.

Related Occupations: (Civilian)

- Door Hanger
- Hardwood Floor Layer
- Joiner

Title: CARPENTRY SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 55230

Occupation: A **Carpentry Specialist** constructs, maintains and repairs buildings, structures, mock-ups and models. He also assembles prefabricated structures.

Interests & Qualifications: It is desirable that an Air Force **Carpentry Specialist** complete high school. School courses in math and mechanical drawing are helpful. You must have a score of mechanical 40 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: A Carpentry Specialist course (8 weeks) at Sheppard Air Force Base, Wichita Falls, Texas is available for enlistees. This course will teach you how to build wood structures; how to use carpenter tools; and how to figure bills for materials. It also teaches you to read drawings and blueprints.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Carpenter
- Carpenter, Maintenance

Title: CARPENTER

Service: ARMY

AFSC/MOS/Rating: 51B

Occupation: A **Carpenter** studies blueprints, drawings and plans for new construction. He inspects repair jobs, selects tools and materials needed and builds concrete forms, scaffolds and framework.

Interests & Qualifications: A **Carpenter** should have mechanical skills. He needs to be able to work with power tools and machines and to work with blueprints and drawings. It is important to be able to work in high places, have a good sense of balance and work with numbers. High school courses in carpentry are helpful, as is any work experience in construction.

Training & Skills: The Army provides all the training needed for this job. Trainees are taught how to install doors, window sashes, siding, floors, cabinets, hardware and the like. They learn to erect structures such as bridges, replace rotten wood and perform preventive maintenance on tools and equipment.

Related Occupations: (Army)

- Structure Specialist
- Construction and Utilities Worker

Title: DAMAGE CONTROLMAN

Service: COAST GUARD

AFSC/MOS/Rating: DC

Occupation: The **Damage Controlman** is responsible for preservation of modern safety and survival devices on all Coast Guard vessels. His duties include welding, firefighting, pipefitting and woodworking.

Interests & Qualifications: A **Damage Controlman** should be average or above in general learning ability. He should have mechanical aptitude. He should also be self-reliant, creative, and have poise under pressure. School courses in carpentry, metal working, machining, practical mathematics and chemistry are useful. Experience as a volunteer or full time fireman is also helpful.

Training & Skills: Upon completion of recruit training, the **Damage Controlman** may attend a 15-week school at Coast Guard Training Center, Governor's Island, New York. Or, he may receive on-the-job training and study course manuals and publications. The **Damage Controlman** may be asked to instruct and handle damage control parties. He is also responsible for the care and repair of damage control equipment, and for making sure the ship is water tight.

Related Occupations: (Coast Guard)

- Machinery Technician

Title: COMBAT ENGINEER

Service: MARINES

AFSC/MOS/Rating: 1371

Occupation: The **Combat Engineer** has many kinds of duties. He builds and repairs buildings, lifts and moves heavy objects by using rigging devices, and helps with destroying road blocks, roads and bridges.

Interests & Qualifications: Combat Engineers are interested in building things and working with their hands. Helpful high school courses include basic math and many shop courses. Construction work provides very useful training. Hobbies involving carpentry or welding would also give helpful training.

Training & Skills: The **Combat Engineer** needs to be able to use carpentry, painting and mason tools. He also needs to be able to work with blueprints and drawings. In training, he studies how to lay out patterns, welding and demolition plans and learns about bridge and road building. Formal training is available for this position at Marine Corps Engineer School, Camp Lejeune, North Carolina for 6 weeks. There is also a 7-week field skill training program.

Related Occupations: (Marines)

- Engineer Operations Chief
- Antitank Assaultman

Title: PATTERNMAKER

Service: NAVY

AFSC/MOS/Rating: PM

Occupation: The **Patternmaker** fashions articles from all types of woods and metals according to blueprint and pattern specifications. He makes exact patterns from which moldings and castings are formed.

Interests & Qualifications: The **Patternmaker** should have an interest in mechanical work and be able to do exacting and precise work. A high school education is desirable with courses such as woodshop, foundry, mechanical drawing and shop.

Experience in carpentry and assembly work can be most helpful for this occupation.

Training & Skills: The **Patternmaker** normally will attend technical school to learn such skills as woodworking fundamentals, blueprint reading, shop mathematics, pattern layout and construction. Additional on-the-job training under experienced personnel as well as the study of training manuals will further enhance the skills necessary for this work. The **Patternmaker** may be assigned aboard ship or to a naval shipyard or repair base.

Related Occupations: (Civilian)

- Molder
- Illustrator-Draftsman
- Builder

CENTRAL OFFICE REPAIRMAN

Title: CENTRAL OFFICE REPAIRMAN

Civilian D.O.T. No. 822.281

Occupation: The **Central Office Repairman** makes service calls and works as a lineman replacing worn wires and mending telephone cables. He repairs or replaces defective circuits and recording equipment.

Related Military Occupations:

Air Force	Telephone Switching Equipment Repairman Electro/Mechanical
Army	Manual Central Office Repairman
Coast Guard	Telephone Technician
Marine Corps	Telephone Technician
Navy	Interior Communications Electrician

Composite Service Job Statement: In the Armed Services, the **Central Office Repairman** installs, repairs or replaces and conducts operating and electrical tests on dial or manual central office telephone exchange equipment. He wires switchboards, relays, tracks and related units. He makes wire connections between outside lines and inside plants. He tests and operates repaired equipment to assure proper functioning.

Related Occupations: (Civilian)

- Equipment Inspector
- Installer and Maintenance Man
- Powerman

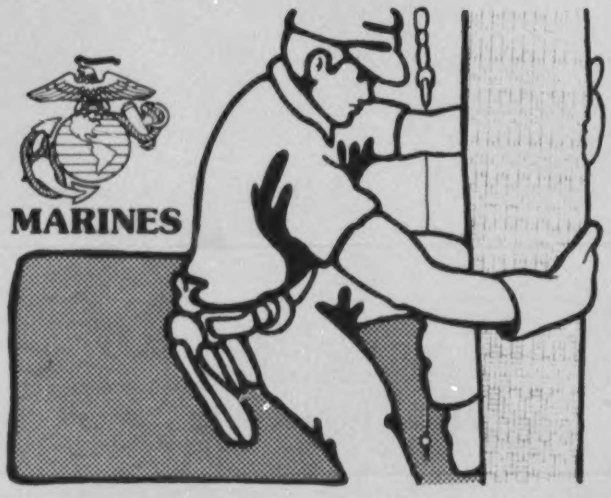
Title: TELEPHONE SWITCHING EQUIPMENT REPAIRMAN ELECTRO/MECHANICAL

Service: AIR FORCE

AFSC/MOS/Rating: 36231

Occupation: The **Telephone Switching Equipment Repairman Electro/Mechanical** maintains and repairs all types of Air Force telephone equipment. He installs both electronic and manual telephone switching equipment.

Interests & Qualifications: It is desirable that an Air Force **Telephone Switching Equipment Repairman Electro/Mechanical** complete high school. School courses in math and physics will be of great help. You must have a score of electronic 50 on the Armed Services Vocational Aptitude Battery. You must have normal color vision. This Air Force specialty is open to women.



Training & Skills: To be a **Telephone Switching Equipment Repairman Electro/Mechanical** you must complete the Telephone Switching Equipment Repairman Electro/Mechanical course (25 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. This course covers electrical, electronic and telephone switching principles. It also covers technical publications and how to apply them; relay operation and circuit analysis.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Automatic Equipment Technician
- Central Office Repairman

Title: MANUAL CENTRAL OFFICE REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 36G

Occupation: The **Manual Central Office Repairman** installs manual central office telephone exchange equipment and performs general maintenance by inspecting, aligning, and securing the equipment and its components.

Interests & Qualifications: The **Manual Central Office Repairman** must have mental aptitude for electronics and be able to demonstrate knowledge of generators, switches and meters. He needs a basic understanding of math and should have the ability to reason along with good eye-hand coordination. He must have normal color vision. Prior courses in math, physics or electronics would be helpful to those interested in this work.

Training & Skills: Those entering this field are taught to replace broken wires, secure electrical connections, adjust openings between parts and change spring connections. They learn to conduct electrical tests and compare results with specified standards. **Manual Central Office Repairmen** learn to recondition and rebuild components and replace parts that will no longer function. They learn to make line tests and treat equipment to prevent damage by moisture and fungus. They learn to read circuit and wiring diagrams and compute amperage and resistance factors.

Related Occupations: (Army)

- Telephone Installer
- Cable Splicer
- Lineman

Title: TELEPHONE TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: TT

Occupation: The **Telephone Technician** operates and repairs all kinds of wire-constructed communication equipment. He installs antennas and helps construct pole lines and cable plants.

Interests & Qualifications: A **Telephone Technician** should have mechanical skill, good eye-hand coordination, and be interested in electricity and electronics. Helpful school courses include algebra, physics, and electricity. Helpful hobbies include making and repairing radios. Any experience working with communications equipment is useful.

Training & Skills: After completion of recruit training, the **Telephone Technician** goes to a 12-week electronics technician school. This is followed by a 14-week specialized training session. Both of these are held at Coast Guard Training Center, Governor's Island, New York. A **Telephone Technician** will find much of his training involves learning to work with electric/electronic equipment. He will operate and repair telephone, teletype, telegraph, PBX exchange, switchboard, and public address systems.

Related Occupations: (Coast Guard)

- Electronics Technician
- Aviation Electrician's Mate
- Electrician's Mate

Title: TELEPHONE TECHNICIAN

Service: MARINES

AFSC/MOS/Rating: 2811

Occupation: The **Telephone Technician** installs telephones, switchboards, and related equipment. He does inspections and preventive maintenance. Teaching the use of telephone and switchboard equipment may also be part of his duties.

Interests & Qualifications: A secret security clearance will be required for this position. It is open to both men and women. Those entering this field should enjoy working with their hands and fixing things.

Helpful high school courses include basic math, physics and electric shop.

Training & Skills: Depending on his grade, the **Telephone Technician** must be able to read color code charts and schematic wiring diagrams of telephone systems. He must know how to connect parts of a telephone system with devices such as teletypewriters. A 12-week basic electronics course is to be completed before taking the telephone technician course at 29 Palms, California.

Related Occupations: (Marines)

- Operational Communications
- Electronics Maintenance

Title: INTERIOR COMMUNICATIONS ELECTRICIAN

Service: NAVY

AFSC/MOS/Rating: IC

Occupation: The **Interior Communications Electrician** operates and repairs the ship's public address system and other announcing equipment. He also works on motion picture equipment and closed circuit TV systems.

Interests & Qualifications: An **Interior Communications Electrician** needs electrical skill and good color perception. High school courses in electrical shop and practical mathematics are helpful. Electrical work experience is valuable.

Training & Skills: An **Interior Communications Electrician** learns to read blueprints and electrical prints. He is taught to work with electrician's hand tools and testing equipment. He learns basic electrical theory and safety precautions. He is trained through on-the-job instruction, study of manuals, or by attending a Navy school.

An **Interior Communications Electrician** may be assigned aboard ship or to a naval shipyard or repair base.

Related Occupations: (Civilian)

- Television Repairman
- Aircraft Instrument Mechanic
- Ship Electrician

CHEMICAL OPERATOR

Title: CHEMICAL OPERATOR

Civilian D.O.T. No. 558.885

Occupation: The **Chemical Operator** tends equipment on semi-automatic systems that process chemical substances into industrial or consumer products.

Related Military Occupations:

Air Force	Environmental Support Specialist
Army	Chemical Operations Specialist
Coast Guard	Hospital Corpsman
Marine Corps	Nuclear Biological and Chemical Defense Specialist
Navy	Hospital Corpsman

Composite Service Job Statement: In the Armed Services, the **Chemical Operator** tends and controls equipment used in processing chemical products. He mixes chemicals for solutions, observes reactions and records results using test equipment. He performs chemical tests on products to insure that they conform to standard specifications.

Related Occupations: (Civilian)

- Emulsification Operator
- Reactor Operator
- Explosives Mixer

Title: ENVIRONMENTAL SUPPORT SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 56330

Occupation: The **Environmental Support Specialist** operates, maintains and repairs water supply plants and systems; waste water processing plants and systems; and solid wastes collection, processing, and disposal facilities.

Interests & Qualifications: It is desirable that an Air Force **Environmental Support Specialist** complete high school. School courses in chemistry and biology are helpful. You must have a score of at least Mechanical 40 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: The Air Force offers a Water and Waste Processing Specialist course (12 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Training received includes: learning to operate equipment such as pumps, engines, valves, and other measuring and control devices. You also learn to analyze and treat water and to monitor sewage and disposal operations.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Water Filterer
- Water Treatment Plant Operator

Title: CHEMICAL OPERATIONS SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 54F

Occupation: A **Chemical Operations Specialist** uses chemical munitions to create smoke to conceal or camouflage an area. He also clears an area of shrubs and other growth, or controls and clears riot crowds.

Interests & Qualifications: A **Chemical Operations Specialist** should have mechanical skill. He needs to be able to use and to repair equipment, be emotionally stable and be able to read and give technical instructions. High school courses in chemistry, biology, electricity, mechanical shop or mechanical drawing are helpful, as is experience in the use, maintenance and repair of automobile engines, pumps, and compressors.

Training & Skills: The Army provides all the training a person needs in this field, although past coursework in chemical and mechanical fields will be very helpful in learning the program. Training includes instruction in chemical combat procedures and in the use and preparation of herbicides for use by aircraft. Also learned is the maintenance and storage of chemical munitions.

Related Occupations: (Army)

- Chemical Equipment Repairman
- Chemical Operations Assistant

Title: HOSPITAL CORPSMAN

Service: COAST GUARD

AFSC/MOS/Rating: HM

Occupation: The **Hospital Corpsman** is responsible for a variety of medical duties. He performs minor surgery repairs, preventive medicine inspections, pest control operations, and knows medical administration. He also conducts first aid and health classes and lectures.

Interests & Qualifications: The **Hospital Corpsman** should be average or above in learning ability. Interests should be towards the natural sciences. School courses in anatomy and physiology, biology, chemistry, general math, English composition, and typing provide an excellent background.

Training & Skills: After recruit training, the **Hospital Corpsman** receives 24 weeks of instruction and practical application at the Coast Guard Academy, New London, Connecticut. He is trained in anatomy and physiology, physical diagnosis, treatment, laboratory procedures, X-ray techniques, minor surgery, pharmacy, first aid, pest control, and preventive medicine.

Related Occupations: (Coast Guard)

- Dental Technician

Title: NUCLEAR BIOLOGICAL AND CHEMICAL DEFENSE SPECIALIST

Service: MARINES

AFSC/MOS/Rating: 5711

Occupation: The **Nuclear Biological and Chemical Defense Specialist** works with emergency decontamination procedures decontaminating nuclear, biological and chemical warfare agents.

Interests & Qualifications: These specialists should be interested in science, especially biology and chemistry. They like to run tests and check out substances. Useful high school courses include math, chemistry, physics and English. Helpful hobbies include those related to science.

Training & Skills: The specialists must know and practice safety precautions in handling these materials. They must know the effects of chemical agents on men and know how to give first aid. They may need to know how to receive, record and plot on a map input data from chemical agent detection teams. Programs include: U.S. Army Chemical Corps School, Aberdeen, Maryland, 4-weeks, nuclear, biological and chemical defense, U.S. Navy Schools Command, Treasure Island, California, 3-weeks.

Related Occupation: (Marines)

- Basic Nuclear, Biological and Chemical Defense Man

Title: HOSPITAL CORPSMAN

Service: NAVY

AFSC/MOS/Rating: HM

Occupation: A **Hospital Corpsman** performs medical and clerical duties. He takes and develops x-rays, performs laboratory tests, fills prescriptions, and assists in hospital food service programs. He applies first aid as well.

Interests & Qualifications: A **Hospital Corpsman** should have a desire to help others and a friendly personality. He should have a practical knowledge of math. High school courses in health, biology, physiology, and typing are helpful. First aid or hospital experience is valuable.

Training & Skills: A **Hospital Corpsman** is trained in a Navy school. He learns first aid and minor surgery; laboratory procedures; basic anatomy; pharmacy; nursing; and dietetics.

A **Hospital Corpsman** may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Medical Technician
- Practical Nurse
- First Aid Attendant

CIVIL DRAFTSMAN

Title: CIVIL DRAFTSMAN

Civilian D.O.T. No. 005.281

Occupation: The **Civil Draftsman** drafts detailed construction drawings, topographical profiles, and related maps and specification sheets used in planning and construction. He also plots maps and charts showing profiles and cross-sections.

Related Military Occupations:

Air Force	Site Development Specialist
Marine Corps	Combat Engineer
Navy	Engineering Aid

Composite Service Job Statement: In the Armed Services, the **Civil Draftsman** is involved with the construction of highways, structures, and related engineering projects. He works with blueprints and engineering diagrams. He inspects prior to, during and after construction begins and makes modifications in plans as problems arise. He estimates costs and prepares progress and end-of-project reports.

Related Occupations: (Civilian)

- Engineering Assistant
- Engineering Liaison Man
- Structural Designer

Title: SITE DEVELOPMENT SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 55330

Occupation: A **Site Development Specialist** performs construction materials testing, prepares engineering drawings, performs plane surveying, and assists professional engineers on project designs.

Interests & Qualifications: It is desirable that a **Site Development Specialist** complete high school. School courses in algebra, geometry, drafting and physics are helpful. You must have a General score of 65 on the Armed Services Vocational Aptitude Battery. You must have normal color vision.

This Air Force specialty is open to women.

Training & Skills: A Site Development Specialist course (17 weeks) is available at Sheppard Air Force Base, Wichita Falls, Texas. This course will teach you the fundamentals of engineering, surveying and construction work. It will also teach you methods of design and how to use the tools related to this specialty. Blueprint reading is also taught.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Engineering Liaison Man
- Engineering Assistant
- Quality Control Technician

Title: COMBAT ENGINEER

Service: MARINES

AFSC/MOS/Rating: 1371

Occupation: The **Combat Engineer** has many kinds of duties. He builds and repairs buildings, lifts and moves heavy objects by using rigging devices, and helps with destroying road blocks, roads, and bridges.

Interests & Qualifications: Combat Engineers are interested in building things and working with their hands. Helpful high school courses include basic math and many shop courses. Construction work provides very useful training. Hobbies involving carpentry or welding would also give helpful training.

Training & Skills: The **Combat Engineer** needs to be able to use carpentry, painting and mason tools. He also needs to be able to work with blueprints and drawings. In training, he studies how to lay out patterns, welding and demolition plans and learns about bridge and road building. Formal training is available for this position at Marine Corps Engineer School, Camp Lejeune, North Carolina for 6 weeks. There is also a 7-week field skill training program.

Related Occupations: (Marines)

- Engineer Operations Chief
- Antitank Assaultman

Title: ENGINEERING AID

Service: NAVY

AFSC/MOS/Rating: EA

Occupation: An **Engineering Aid** does surveying, prepares maps and estimates for the amount of material needed for construction jobs. He prepares blueprints and supervises construction of drainage systems.

Interests & Qualifications: An **Engineering Aid** must be able to do accurate detailed work. His ability to learn and to visualize must be above average. High school courses in algebra, geometry, trigonometry, mechanical drawing and drafting are helpful. Highway construction experience is valuable.

Training & Skills: An **Engineering Aid** studies surveying and map making. He learns to work with drafting instruments and to use astronomy in surveying. An **Engineering Aid** receives training on-the-job and by attending a Navy school.

An **Engineering Aid** may be assigned to naval shore activities throughout the world.

Related Occupations: (Civilian)

- Construction Planner
- Draftsman
- Material Estimator
- Soil Analyst

CLERK (CHIEF)

Title: CLERK (CHIEF)

Civilian D.O.T. No. 169.168

Occupation: The **Chief Clerk** is an office manager who makes job assignments and hires clerical help. He ensures that work is completed and records are current and filed.

Related Military Occupations:

Air Force	Administration Specialist
Army	Administrative Specialist
Coast Guard	Yeoman
Marine Corps	Personnel Chief
Navy	Yeoman

Composite Service Job Statement: In the Armed Services, the **Chief Clerk** coordinates the activities of personnel in an office. He is responsible for discharging clerical and administrative functions. He outlines office procedures and initiates policy and procedural changes when necessary. He also designates the standards for writing and filing reports and reviews staff activities.

Related Occupations: (Civilian)

- Administrative Clerk
- Salary and Wage Administrator
- Executive Secretary

Title: ADMINISTRATION SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 70230

Occupation: An **Administration Specialist** drafts, types and controls correspondence, messages, forms, orders, reports, schedules, inventories, and requisitions. He obtains, stores and distributes publications.

Interests & Qualifications: It is best that an **Administration Specialist** be a high school graduate. Courses in business English, math and typing are helpful. You will need to be able to type 30 words per minute.

You will need an administrative score of 40 on the Armed Services Vocational Aptitude Battery. You will need to meet the basic physical standards and have unrestricted use of the fingers.

This Air Force specialty is open to women.

Training & Skills: An Administration Specialist course (10 weeks) is available at Keesler Air Force Base, Biloxi, Mississippi. Included is instruction in touch typing, preparation of Air Force messages, maintenance of records and mail room duties. You will learn offset master and stencil preparation for printing; the operation of microfilm, keypunch and filing equipment; and to receive, sort and dispatch mail. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Clerk Typist
- Clerk, General
- Library Assistant
- Post Office Clerk

Title: ADMINISTRATIVE SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 71L

Occupation: An **Administrative Specialist** drafts, types and puts together unit publications, orders and reports. He also sends out all letters, publications and travel orders to the proper section of headquarters.

Interests & Qualifications: An **Administrative Specialist** must type at least 20 words per minute and should have some knowledge about office routine. High school business courses are helpful as is any office experience.

Training & Skills: Those entering this field are trained to prepare reports and type records, documents and similar forms. They also learn to use the Army file system, how to handle basic pay and accounting operations, and how to use office machines. They are also trained to assist in the planning, coordinating and execution of a company's mission.

Related Occupations: (Army)

- Clerk Typist
- Stenographer
- Unit Clerk
- Attache Specialist

Title: YEOMAN

Service: COAST GUARD

AFSC/MOS/Rating: YN

Occupation: The Coast Guard's administration depends on the efficient performance of a highly trained clerical staff. The **Yeoman** fills that need. He prepares records and keeps the Coast Guard's vast amount of letters, messages and reports in order.

Interests & Qualifications: Yeomen need qualifications similar to those of secretaries, stenographers and typists in private industry. **Yeomen** should be above average in general learning ability, should possess a degree of manual dexterity and must be able to work well with others in an office organization. Courses in English and in business subjects such as typewriting and filing are very useful.

Training & Skills: Upon completion of recruit training, special training for **Yeoman** begins with 13-weeks of instruction at Coast Guard Training Center, Petaluma, California. Sometimes, training is received on-the-job, sometimes by studying special manuals. **Yeoman** duties may include typing 30 to 50 words per minute; taking dictation; writing letters and other documents; serving as a unit mail man; compiling and keeping records; supervising some or all of these activities.

Related Occupation: (Coast Guard)

- Storekeeper

Title: PERSONNEL CHIEF

Service: MARINES

AFSC/MOS/Rating: 0182

Occupation: The **Personnel Chief** works as a supervisor of an administrative section of a reporting Marines unit. He organizes and directs work flow and priorities. He supervises records maintenance and trains individuals when necessary.

Interests & Qualifications: The **Personnel Chief** must have a knowledge of administrative and clerical office procedures, with specific military application. Experience in typing, bookkeeping, and stenography is helpful. High school courses in business or any office experience is valuable.

Training & Skills: The **Personnel Chief** must satisfactorily complete the Personnel Chief Administrative Course conducted at the Marine Corps Recruit Depot, Parris Island, South Carolina, or have demonstrated proficiency in the MOS through completion of required MCI courses. Training includes learning supervising functions relating to office management, and organization methods to achieve efficient use of manpower.

Related Occupations: (Marines)

Title: YEOMAN

Service: NAVY

AFSC/MOS/Rating: YN

Occupation: A **Yeoman** performs office secretarial duties. These include typing, filing, duplicating, and handling telephone communications. He also maintains records and prepares correspondence and reports.

Interests & Qualifications: A **Yeoman** should be above average in general learning ability. He should be able to perform detailed tasks and get along well with people. High school courses in English, typing and stenography are helpful as is clerical experience.

Training & Skills: A **Yeoman** is trained in typing, handling classified materials, correspondence and filing, legal records and procedures, and personnel administration. Training for **Yeoman** may be received through Navy schools or through on-the-job training combined with a study of Navy training courses.

A **Yeoman** is assigned to Navy offices on ships and ashore.

In addition to his other duties, he may requisition office supplies or be a courtmartial reporter.

Related Occupations: (Civilian)

- Office Manager
- File Clerk
- Administrative Assistant
- Court Clerk

CLERK-TYPIST

Title: CLERK-TYPIST

Civilian D.O.T. No. 209.388

Occupation: The **Clerk-Typist** types letters, memos, and schedules. He also files records, runs duplicating machines and keeps track of office supplies.

Related Military Occupations:

Air Force	Administration Specialist
Army	Clerk Typist
Coast Guard	Yeoman
Marine Corps	Administrative Clerk
Navy	Yeoman

Composite Service Job Statement: In the Armed Services, the **Clerk-Typist** performs general clerical work requiring use of the typewriter in the majority of duties. He compiles and types letters, reports, bills, and forms. He files records and reports, sorts and distributes mail, answers the telephone and acts as a general receptionist.

Related Occupations: (Civilian)

- Copy Holder
- Remittance Clerk
- Meter Record Clerk

Title: ADMINISTRATIVE SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 70230

Occupation: An **Administration Specialist** performs administration functions concerning publications, forms, publications and forms distribution, orders, documentation systems, release and fee schedules, communications, and postal services.

Interests & Qualifications: It is desirable that an **Administration Specialist** complete courses in business English, math and typing. You will need to be able to attain 30 words per minute typing speed.

You will need an administrative score of 40 on the Armed Services Vocational Aptitude Battery. You will need to meet basic physical standards and have unrestricted use of the fingers.

This Air Force specialty is open to women.

Training & Skills: An Administration Specialist course (10 weeks) is available at Keesler Air Force Base, Biloxi, Mississippi. Included is instruction in touch typing, preparation of Air Force messages, maintenance of records and mail room duties. You will learn offset master and stencil preparation for printing; the operation of microfilm, keypunch and filing equipment; and to receive, sort and dispatch mail. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Clerk Typist
- Clerk, General
- Library Assistant
- Post Office Clerk

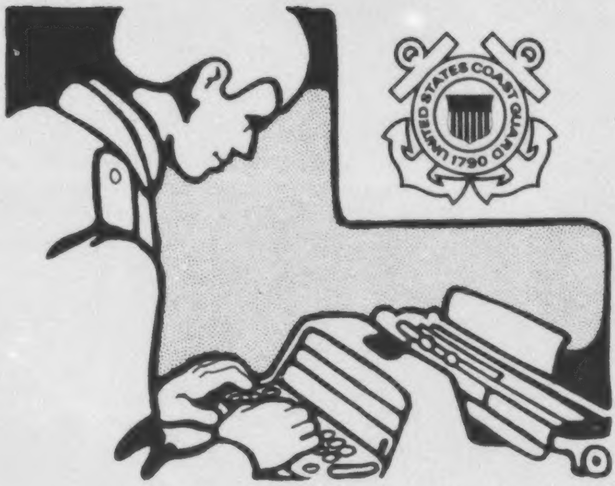
Title: CLERK TYPIST

Service: ARMY

AFSC/MOS/Rating: 71B

Occupation: A **Clerk Typist** prepares and types reports, records, shipping documents, vouchers, checks, and bonds. He also handles mail, routine supply duties and runs basic office machines.

Interests & Qualifications: A **Clerk Typist** must be able to work closely with others and make decisions. This person needs to have office skills (typing, filing) and know office procedures. School business courses are helpful as is any office experience.



Training & Skills: Those entering this field are given training as needed in writing reports, typing records and forms, using the Army file system, using office machines and basic procedures. They also learn to perform simple accounting procedures, prepare travel vouchers, requisitions, distribute messages, perform research as requested and assist in general office administration.

Related Occupations: (Army)

- Stenographer
- Legal Clerk
- Unit Clerk
- Postal Clerk

Title: YEOMAN

Service: COAST GUARD

AFSC/MOS/Rating: YN

Occupation: The **Yeoman** performs a wide variety of administrative functions including preparation and typing of letters and reports, maintenance of personnel and unit records, distribution of official and personal mail, and court reporter for Courts-Martial and Boards of Inquiry.

Interests & Qualifications: Yeomen need qualifications similar to those of secretaries, stenographers and typists in private industry. **Yeomen** should be above average in general learning ability, should possess a degree of manual dexterity and must be able to work well with others in an office organization. Courses in English and in business subjects such as typewriting and filing are very useful.

Training & Skills: Upon completion of recruit training, special training for **Yeoman** begins with 13-weeks of instruction at Coast Guard Training Center, Petaluma, California. Sometimes, training is received on-the-job, sometimes by studying special manuals. **Yeoman** duties may include typing 30 to 50 words per minute; taking dictation; writing letters and other documents; serving as a unit mail man; compiling and keeping records; supervising some or all of these activities.

Related Occupation: (Coast Guard)

- Storekeeper

Title: ADMINISTRATIVE CLERK

Service: MARINES

AFSC/MOS/Rating: 0151

Occupation: The **Administrative Clerk** does a variety of office jobs. Typing letters and reports, filing and sorting mail are some of the clerk's duties. Others are running office machines and ordering supplies.

Interests & Qualifications: Administrative Clerks should like office work and typing. This position is open to both men and women.

Helpful high school courses include: English, math, bookkeeping, typing and office practice. You should be able to type at least 20-40 words per minute, be able to use correct English and be able to type from rough drafts. Any part-time office work would be helpful.

Training & Skills: The **Administrative Clerk** must complete a 15-day course offered at the Marine Corps Recruit Depot, Parris Island, South Carolina or complete a 15-day course at the Marine Corps Base, Camp Pendleton, California. Demonstration of completion of MOS qualifications through performance and completion of appropriate MCI courses will also qualify him for this occupation.

Related Occupations: (Marines)

- Basic Administrative Man
- Personnel/Administrative Chief

Title: YEOMAN

Service: NAVY

AFSC/MOS/Rating: YN

Occupation: A **Yeoman** performs office secretarial duties. These include typing, filing, duplicating, and handling telephone communications. He also maintains records and prepares correspondence and reports.

Interests & Qualifications: A **Yeoman** should be above average in general learning ability. He should be able to perform detailed tasks and get along well with people. High school courses in English, typing and stenography are helpful as is clerical experience.

Training & Skills: A **Yeoman** is trained in typing, handling classified materials, correspondence and filing, legal records and procedures, and personnel administration. Training for **Yeoman** may be received through Navy schools or through on-the-job training combined with a study of Navy training courses.

A **Yeoman** is assigned to Navy offices on ships and ashore.

In addition to his other duties, he may requisition office supplies or be a court-martial reporter.

Related Occupations: (Civilian)

- Office Manager
- Administrative Assistant
- File Clerk
- Court Clerk

COMMUNICATION ENGINEER

Title: COMMUNICATION ENGINEER

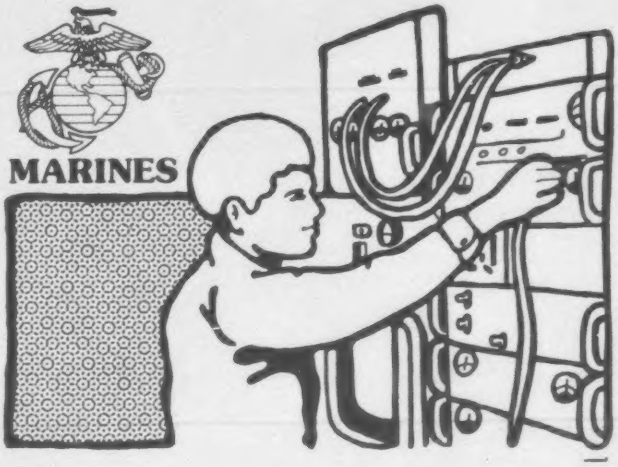
Civilian D.O.T. No. 822.281

Occupation: The **Communication Engineer** works on the transfer of information (sometimes of a classified nature) from one location to another. He works with radio, telegraph, and teletype machines.

Related Military Occupations:

Air Force	Radio Communications Analysis Specialist
Army	Telecommunications Center Specialist
Coast Guard	Radioman
Marine Corps	Cryptanalyst
Navy	Communications Technician

Composite Service Job Statement: In the Armed Services, the **Communication Engineer** is engaged in operating equipment in a communication center. Some of his work may be of a classified nature and may involve encoding and decoding. He is responsible for the maintenance of various logs and files.



Related Occupations: (Civilian)

- Automatic Equipment Technician
- Teletype Man
- Radioman

Title: RADIO COMMUNICATIONS ANALYSIS SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 20230

Occupation: A **Radio Communications Analysis Specialist** compiles, records and analyzes radio frequency data. Other duties include preparation and study of circuit diagrams, call signs and operating characteristics.

Interests & Qualifications: It is desirable that a **Radio Communications Analysis Specialist** complete high school. School courses in typing are helpful. You must have a General Score of 80 on the Armed Services Vocational Aptitude Battery. Your color vision must be normal and you must be a U.S. citizen and not a former member of the Peace Corps.

This Air Force specialty is open to women.

Training & Skills: In order to become a **Radio Communications Analysis Specialist,** you must complete 8 weeks of training at Goodfellow Air Force Base, Texas. In addition, you must complete a course that will deal directly with the equipment to which you will be assigned. In such courses, you will learn to process radio communications traffic and how to identify circuit diagrams, call signals and radio frequency data. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio Message Router
- Radio Operator
- Coding Clerk

Title: TELECOMMUNICATIONS CENTER SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 72E

Occupation: A **Telecommunications Center Specialist** performs as a messenger and operates teletypewriter equipment. He gathers data, reproduces and distributes this material.

Interests & Qualifications: A **Telecommunications Center Specialist** must have good hearing, clear speech, eye-hand coordination and should be able to work well with his hands. He should also have clerical ability. He needs to make decisions quickly. High school courses in typing, business, electronics and physics are helpful as is any office experience or a "ham" radio hobby.

Training & Skills: Those entering this field are taught the basics of Army communications networks, security rules, and how to operate and repair the equipment to which they are assigned. They also learn how to use punched cards for accounting and reporting purposes, to prepare perforated tape for transmission and to file incoming and outgoing messages. They also learn to reproduce and distribute cryptomaterial and make corrections in message discrepancies.

Related Occupations: (Army)

- Cryptographic Center Specialist
- Telephone Switchboard Operator

Title: RADIOMAN

Service: COAST GUARD

AFSC/MOS/Rating: RM

Occupation: The **Radioman** handles the transmitting and receiving of messages which enable Coast Guard units to help distressed vessels. This includes operating and maintaining radio equipment. He must be an expert in voice communications, Morse Code and teletype, and be able to handle responsibility.

Interests & Qualifications: The **Radioman** should be average or above in general learning ability. He needs good hearing and a clear speaking voice. He also needs to be able to work well with his hands and fingers. School training of a technical nature in physics and electricity is helpful. Also of value are the ability to type and experience as an amateur radio operator.

Training & Skills: Upon completion of recruit training, the **Radioman** goes to a 20-week school at Coast Guard Training Center, Petaluma, California.

Skills learned by the **Radioman** include operating communication transmission and reception equipment; and transmitting and receiving Morse code and voice communications.

Related Occupation: (Coast Guard)

- Quartermaster

Title: CRYPTANALYST

Service: MARINES

AFSC/MOS/Rating: 2649

Occupation: The **Cryptanalyst** performs duties relating to communication. These duties are considered classified. He may operate and maintain special communications equipment.

Interests & Qualifications: A **Cryptanalyst** should have good vision, hearing and eye-hand coordination. He should be quick to react and have good verbal abilities. He also needs to have a security clearance.

Helpful high school courses include: English, foreign language, math and physics. Helpful hobbies include reading, stamp collecting, or similar mental exercises. This position is open to both men and women.

Training & Skills: In learning to be a **Cryptanalyst,** the Marine studies International Morse Code, electricity, and magnetism and the preparation of military messages.

Training is available at Ft. Devens, Massachusetts. The program lasts 14 weeks, 1 day.

Related Occupations: (Marines)

- Cryptologic Linguist
- Radio-Telegraph Operator

Title: COMMUNICATIONS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: CT

Occupation: A **Communications Technician** performs specialized duties. These include special communications, special operations, and communication security. He must have top secret clearance.

Interests & Qualifications: A **Communications Technician** should be able to adapt to new techniques and enjoy detailed work. He must be trustworthy. High school courses in typing, office machines, English, physics, and electricity are useful. Experience as a telegrapher, radio operator, electronics repairman, or clerk typist is helpful.

Training & Skills: A **Communications Technician** is trained in Morse Code; operation of communication equipment; electronic theory; foreign languages; or clerical work, depending on his specialty. He learns these things at a Navy school.

A **Communications Technician** is assigned to a ship or communication station.

Related Occupations: (Civilian)

- Communication Specialist
- Telegrapher
- Radio Telephone Operator

COMMUNICATION TECHNICIAN (RADAR) IMA

Title: COMMUNICATION TECHNICIAN (RADAR) IMA

Civilian D.O.T. No. 828.281

Occupation: The **Communication Technician (Radar) IMA** operates radar in airports and aircraft receiving and transmitting signals.

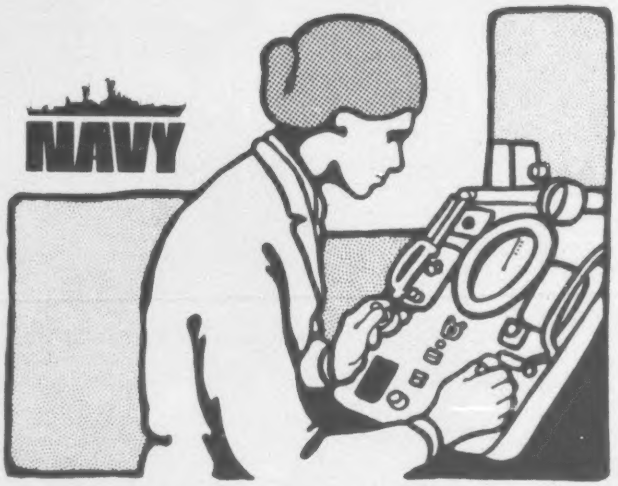
Related Military Occupations:

Air Force	Air Traffic Control Radar Repairman
Army	Defense Acquisition Radar Crewman
Coast Guard	Aviation Electronics Technician
Marine Corps	Aircraft Navigation Systems Technician, Radar IMA
Navy	Operations Specialist

Composite Service Job Statement: In the Armed Services, the **Communication Technician (Radar) IMA** may operate or repair radar equipment following blueprints and mechanics specifications. He may test faulty equipment and diagnose causes of malfunctions. He may test electronic components and circuits to locate defects and replaces worn parts. He also adjusts the systems.

Related Occupations: (Civilian)

- Electronic Mechanic



- Electronic Specialist
- Radar Mechanic

Title: AIR TRAFFIC CONTROL RADAR REPAIRMAN

Service: AIR FORCE

AFSC/MOS/Rating: 30331

Occupation: An **Air Traffic Control Radar Repairman** installs, maintains, and repairs air traffic control radar. He also works on radar operator training devices and related equipment.

Interests & Qualifications: An **Air Traffic Control Radar Repairman** needs mechanical skill. He needs good vision and the ability to work well with his hands. He should also be able to work well with numbers and be able to reason things out quickly. Helpful high school courses include math, physics, and shop courses in electricity or electronics. You must have a score of Electronic 80 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: An **Air Traffic Control Radar Repairman** attends a Radar Repairman course at Keesler Air Force Base, Biloxi, Mississippi for 39 weeks. It covers the operation, maintenance and repair of radar equipment and areas related to communications and identification equipment. The repairman also learns circuit analysis and testing; shop practices and electronic principles. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio Repairman
- Radio Mechanic

Title: DEFENSE ACQUISITION RADAR CREWMAN

Service: ARMY

AFSC/MOS/Rating: 16J

Occupation: A **Defense Acquisition Radar Crewman** assists in placing radar equipment and operating field communications. He performs maintenance, observes and tracks and interprets targets and other objects.

Interests & Qualifications: A **Defense Acquisition Radar Crewman** must be interested in mechanical and electrical work. He must have skill in math. He also needs to be able to reason well, solve problems, and make decisions. High school courses in math, mechanics, electronics or other shop crafts are helpful preparation for this field.

Training & Skills: Those entering this field learn the names and capabilities of missiles and how to clean, store and maintain equipment. They also learn to operate radar equipment, how to lay and operate field communications, use emergency procedures, observe, track and interpret targets, read maps and identify points on maps, and how to apply knowledge of camouflage to hide equipment.

Related Occupations: (Army)

- Fire Distribution System Crewman
- Target Aircraft Crewman

Title: AVIATION ELECTRONICS TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: AT

Occupation: The **Aviation Electronics Technician** is responsible for the operational condition of radio, radar and other electronic devices which are used for rapid communications, controlled landing approaches, detection of distressed vessels.

Interests & Qualifications: The **Aviation Electronics Technician** should be above average in learning ability. He should be good at solving math problems. He should also have a high degree of electrical and mechanical aptitude. School courses in algebra, trigonometry, physics, electricity, and mechanics are useful. Also experience in the electrical trades is helpful.

Training & Skills: Upon completion of recruit training, the **Aviation Electronics Technician** takes 28 weeks of intensive training at Coast Guard Aircraft Repair and Supply Center, Elizabeth City, North Carolina. He learns such things as how to calibrate, repair, and make performance measurements; to make detailed mechanical, electrical, and electronic checks; and to act as an aircraft communicator. To advance, the **Aviation Electronics Technician** must show that he knows and uses all safety rules.

Related Occupations: (Coast Guard)

- Electronics Technician
- Electrician's Mate
- Telephone Technician

Title: AIRCRAFT NAVIGATION SYSTEMS TECHNICIAN, RADAR IMA

Service: MARINES

AFSC/MOS/Rating: 6619

Occupation: The **Aircraft Navigation Systems Technician, Radar IMA** inspects and tests the radar parts of aircraft navigational systems. He may remove and replace faulty parts or may work with training others.

Interests & Qualifications: A confidential security clearance will be required.

The **Aircraft Navigation Systems Technician, Radar IMA** should like to work with complex electronic equipment.

Training & Skills: Depending on grade, the Technician must know the theory of operation and use of vacuum tubes, transistors, diodes, solid state devices, motors, and generators. He must be able to use electronic schematic diagrams and use test and measuring equipment. Training programs are available at the Naval Air Technical Training Center, Naval Air Station, Memphis, Tennessee. The Avionics Technician School lasts 20 weeks and the Advanced Term Avionics Program lasts 46 weeks.

Related Occupations: (Marines)

- Aircraft Navigation Systems Technician, Radio, IMA

Title: OPERATIONS SPECIALIST

Service: NAVY

AFSC/MOS/Rating: OS

Occupation: An **Operations Specialist** uses radar to detect, track and distinguish between ships, aircraft and missiles. He works as a part of the search and rescue team and provides navigational assistance.

Interests & Qualifications: An **Operations Specialist** needs good vision and hearing and a clear speaking voice. He must be mentally alert and able to concentrate. High school courses in practical arithmetic are helpful.

Training & Skills: An **Operations Specialist** receives training in radar equipment operations and repair, radiotelephone communications, electronic countermeasure equipment, navigational plotting and combat information center procedures. The **Operations Specialist** is trained on-the-job, by studying special manuals, or by attending a Navy school.

The **Operations Specialist** may be stationed aboard ship or at shore stations.

Related Occupations: (Civilian)

- Instrument Repairman
- Radar Operator
- Radio-Telephone Operator

COOK (RESTAURANT)

Title: COOK (RESTAURANT)

Civilian D.O.T. No. 313.381

Occupation: The **Cook (Restaurant)** prepares food according to prescribed standards of his employer. He can cook for large or small groups of people within a set budget.

Related Military Occupations:

Air Force	Cook
Army	Food Service Specialist
Coast Guard	Subsistence Specialist
Marine Corps	Cook
Navy	Mess Management Specialist

Composite Service Job Statement: In the Armed Services, the **Cook** prepares menus and meals in quantities and quality required for feeding crews. He prepares foods, carves meat, serves meals and keeps tabs on foodstuffs used and on hand. He maintains food preparation utensils and equipment.

Related Occupations: (Civilian)

- Banquet, Chef
- Baker
- Cook, Broiler

Title: COOK

Service: AIR FORCE

AFSC/MOS/Rating: 62230

Occupation: As an Air Force **Cook**, you will prepare, cook and serve food. You will work in many kinds of kitchens.

Interests & Qualifications: It is desirable that an Air Force **Cook** complete high school. You must have a score of at least General 40 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: A Military Cooking course (8 weeks) is offered at Lowry Air Force Base, Denver, Colorado. This course covers preparing and serving food according to standard recipes and use of equipment. Cake and pastry baking and meat cutting are also taught.

(These Air Force Training requirements are subject to change.)

Related Occupations: (Civilian)

- Cook
- Cook, Restaurant

Title: FOOD SERVICE SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 94B

Occupation: A **Food Service Specialist** supervises the preparation and cooking of food. He weighs, blends and mixes foods and prepares fruits, vegetables, meats and desserts.

Interests & Qualifications: A **Food Service Specialist** must have eye-hand coordination. He must work well with his hands and have a keen sense of taste and smell. High school courses in cooking, home economics, chemistry or hygiene are helpful. Also helpful is work experience in school kitchens, a restaurant, bakeshop or meat market.

Training & Skills: Those entering this field are given training in procedures and standards for cleaning dishes, silverware, cooking utensils, floors, tables, and food service equipment. They are also taught to collect and dispose of food wastes and sanitary and safety rules that apply to food preparation. While much of the training is given on-the-job, special courses are available.

Related Occupations: (Army)

- Food Service Helper
- Food Service Supervisor

Title: SUBSISTENCE SPECIALIST

Service: COAST GUARD

AFSC/MOS/Rating: SS

Occupation: The **Subsistence Specialist** prepares meals, orders supplies, maintains cost and stock records, and plans and prepares meals. He learns cooking, baking, meat cutting, nutrition, and food service administration.

Interests & Qualifications: **Subsistence Specialists** should have an interest in food preparation. They should have average or above learning ability. They need to understand and apply instructions for the proper storage, issue and preparation of food. A **Subsistence Specialist** must be honest and clean. Experience or school courses in food preparation and dietetics are helpful.

Training & Skills: After recruit training, **Subsistence Specialists** may take 18-weeks of special instruction at Coast Guard Training Center, Petaluma, California. Or, they may perform regular on-the-job duties under the supervision of experienced **Subsistence Specialists.** Typical duties include preparing soups, vegetable dishes, meats, salads, and desserts; baking bread, pies, and cakes; cutting meat and poultry; and supervising people doing all of these things.

Related Occupations: (Coast Guard)

- None

Title: COOK

Service: MARINES

AFSC/MOS/Rating: 3371

Occupation: The **Cook** prepares, cooks and serves food and beverages. He may serve on a general officer's personal staff.

Interests & Qualifications: **Cook** is a Marine speciality available to men and women.

An interest in cooking and experience doing it are most helpful. Useful high school courses include: English, math, chemistry and home economics.

Training & Skills: In training, the **Cook** studies methods of cooking including preparing dried foods. Depending on his grade, the **Cook** also studies nutrition and menu planning. In addition, the **Cook** learns how to inspect and store food as well as learns how to cut and grade meat. Sanitation and pest control are also studied. A 9-week food services course is available at Camp Lejeune, North Carolina and a 10-week field skills training course at several other locations.

Related Occupation: (Marine)

- Baker

Title: MESS MANAGEMENT SPECIALIST

Service: NAVY

AFSC/MOS/Rating: MS

Occupation: A **Mess Management Specialist** serves as a cook and baker. He prepares menus, orders supplies and inspects food deliveries. He is responsible for food storage and the care of the kitchen.

Interests & Qualifications: The **Mess Management Specialist** should have high standards of cleanliness and an interest in food preparation. Experience or high school courses in food preparation, dietetics and record keeping are helpful.

Training & Skills: The **Mess Management Specialist** learns cooking, baking and meat cutting. He is taught to organize the commissary and to use its equipment safely. He learns by on-the-job training, the study of special manuals, or by attending a Navy school.

The **Mess Management Specialist** works at shore stations and aboard ship.

Related Occupations: (Civilian)

- Baker
- Cook
- Meat Cutter
- Caterer
- Butcher
- Restaurant Manager

COMPUTER EQUIPMENT OPERATOR

Title: COMPUTER EQUIPMENT OPERATOR

Civilian D.O.T. No. 213.382

Occupation: The **Computer Equipment Operator** runs a computer. He is able to program and evaluate the data produced. He determines its use for his business and channels the information to the proper sources.

Related Military Occupations:

Air Force	Computer Operator
Army	Computer Systems Operator
Marine Corps	Computer Operator (RCA 3301)
Navy	Aviation Fire Control Technician

Composite Service Job Statement: In the Armed Services, the **Computer Equipment Operator** is engaged in the analysis of data processing problems and the development of systems and programs. He analyzes data processing codes and selects programs and sets up the keyboard for use. He operates either on-line or off-line peripheral machines to transfer or input data from one machine to another.

Related Occupations: (Civilian)

- Lead Analyst
- Program Manager
- Project Planner

Title: COMPUTER OPERATOR

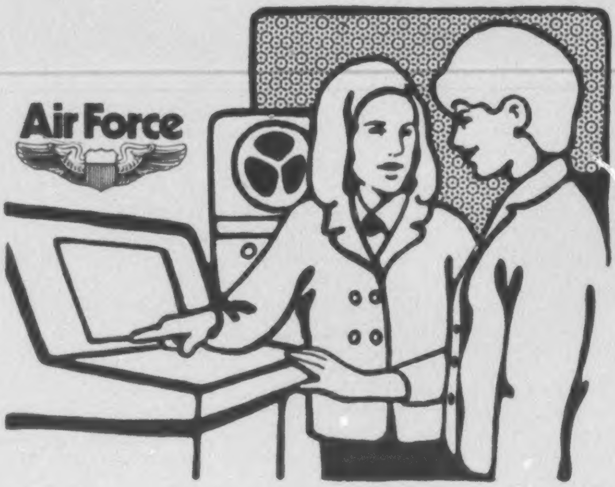
Service: AIR FORCE

AFSC/MOS/Rating: 51130

Occupation: A **Computer Operator** prepares the operation of a computer and sets up its programs. He also works with punch card machines and keeps reports of his work. He keeps track of supplies and fills orders.

Interests & Qualifications: It is desirable that the **Computer Operator** complete high school. School courses in business math and science are helpful. You must have a score of General or Electronic 60 on the Armed Services Vocational Aptitude Battery. You must also have a score of at least 57 on the Air Force Electronic Data Processing Test. This Air Force specialty is open to women.

Training & Skills: Enlistees attend Sheppard Air Force Base, Wichita Falls, Texas for approximately 9 weeks to receive training for this occupation. Training includes instruction in the preparation of electronic computer equipment and punched card machines for data processing operation; operation of data processing equipment; and the assignment of work and its review for accuracy, quality and quantity. (These Air Force training requirements are subject to change.)



Related Occupations: (Civilian)

- Card Tape Convertor Operator
- Console Operator
- Data Typist

Title: COMPUTER SYSTEMS OPERATOR

Service: ARMY

AFSC/MOS/Rating: 74E

Occupation: A **Computer Systems Operator** operates electronic computer equipment. He mounts program and work tapes, loads input data and connects auxiliary equipment.

Interests & Qualifications: A **Computer Systems Operator** must have mechanical skill, be able to reason well and solve problems, and be able to understand technical information. Attention to detail, good memory and clerical skills are important. High school courses in typing and other business courses are helpful, as is any office experience.

Training & Skills: Those entering this field are taught to operate keypunch, tape and verifying machines, sorters, collators, interpreters, and reproducers. They also learn to mount program and work tapes and how to load input data and how to code the machines to determine causes for malfunctions. They are taught to rewind tapes and remove them and store at the end of processing work.

Related Occupations: (Army)

- Data Analysis Specialist
- Computer Programmer

Title: COMPUTER OPERATOR (RCA 3301)

Service: MARINES

AFSC/MOS/Rating: 4026

Occupation: The **Computer Operator operates the RCA** 3301 computer and associated equipment. He loads programs and data cards, keeps files and may do on-the-job training for data processing operations.

Interests & Qualifications: This position is open to both men and women.

Helpful high school courses include: math, English, physics and typing. You need to have good eye-hand coordination, be able to reason things out, and work well with numbers. Previous experience with office machines such as calculators or adding machines is helpful.

Training & Skills: The **Computer Operator** may be trained in a Computer Science School in Quantico, Virginia or he may receive on-the-job training. He learns to make switch settings, load programs, and control machine operations through various signals. He also learns to operate related equipment, maintain data records and learns to conduct on-the-job training and other administrative jobs.

Related Occupations: (Marines)

- Off-line Equipment Operator
- Computer Operator 1401

Title: AVIATION FIRE CONTROL TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: AQ

Occupation: An **Aviation Fire Control Technician** operates and repairs equipment used to launch and control missiles and bombs. He makes electrical repairs and operates test equipment.

Interests & Qualifications: An **Aviation Fire Control Technician** must have electrical and mechanical skill. A high school course in algebra is helpful. Repair shop experience or vocational school training are valuable.

Training & Skills: An **Aviation Fire Control Technician** learns how to operate electronic equipment used to test weapon systems. He also learns wiring and electrical circuitry. He receives training on-the-job, through studying special books, or by attending a Navy school.

An **Aviation Fire Control Technician** serves aboard aircraft carriers, at major naval air stations, and wherever Navy aircraft are assigned.

Related Occupations: (Civilian)

- Electronics Technician
- Radar Repairman
- Aircraft Electrician

CONSTRUCTION EQUIPMENT MECHANIC

Title: CONSTRUCTION EQUIPMENT MECHANIC

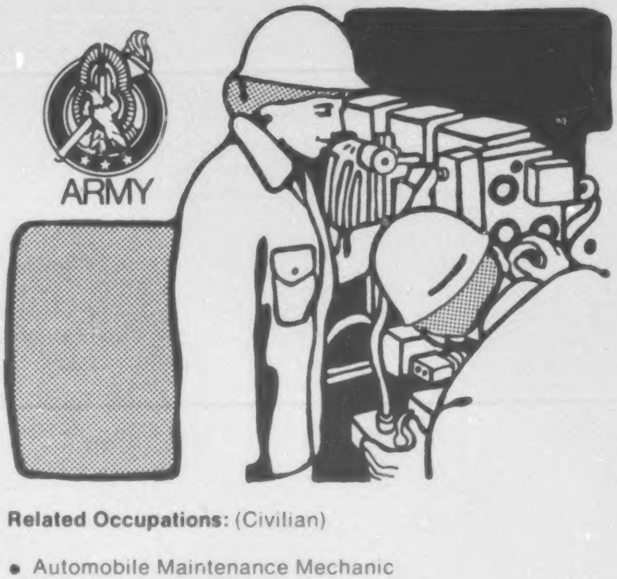
Civilian D.O.T. No. 620.281

Occupation: The **Construction Equipment Mechanic** works on large construction and building equipment and performs preventive maintenance. He repairs worn parts and fixes damages to the body frames.

Related Military Occupations:

Army	Track Vehicle Mechanic
Coast Guard	Machinery Technician
Marine Corps	Engineer Equipment Mechanic
Navy	Construction Mechanic

Composite Service Job Statement: In the Armed Services, the **Construction Equipment Mechanic** maintains and repairs diesel and gasoline engines for heavy construction equipment. He adjusts and repairs ignition, fuel, electrical, hydraulic and steering systems. He performs major overhaul on engines and transmissions. He dismantles and reassembles engines for inspection and repair.



Related Occupations: (Civilian)

- Automobile Maintenance Mechanic
- Pump and Tank Man
- Service Engineer

Title: TRACK VEHICLE MECHANIC

Service: ARMY

AFSC/MOS/Rating: 63C

Occupation: A **Track Vehicle Mechanic** maintains wheel and track vehicles. He works with internal combustion engines and powertrains and chassis components.

Interests & Qualifications: A **Track Vehicle Mechanic** needs to have mechanical skill. He needs to be able to reason well and solve problems. He needs to have good vision, eye-hand coordination, and should be able to work well with his hands. High school courses in math, physics, auto mechanics and electricity are helpful. Work on auto or farm machinery is also useful.

Training & Skills: Those entering this field are taught the basics of math, physics, electrical and fuel systems. They are taught how to use tools, gauges and testing equipment. They learn the names, location and construction of vehicles, weapons, machinery and components. They are also taught how to set-up shop practices for the repair of vehicles, and how to repair and maintain hand tools and power tools. Safety precautions are stressed.

Related Occupations: (Army)

- Mechanical Maintenance Helper
- Wheel Vehicle Mechanic

Title: MACHINERY TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: MK

Occupation: The **Machinery Technician** operates, maintains, and repairs internal combustion engines. He also works on propulsion boilers, steam turbines and power transmission equipment.

Interests & Qualifications: A **Machinery Technician** should be average or above in math. He should have an aptitude for mechanics. Helpful school studies include machine shop, electricity, and various math courses. Experience as a mechanic, machinist, or power plant operator is very helpful.

Training & Skills: After recruit training, the **Machinery Technician** may attend a 16-week school at the Coast Guard Reserve Training Center, Yorktown, Virginia. Or, he may train on-the-job or through the study of manuals and publications.

The **Machinery Technician** may learn to maintain and repair a number of related machines and engines including air-conditioning equipment, cranes, winches, and elevators.

Related Occupations: (Coast Guard)

- Damage Controlman
- Electrician's Mate

Title: ENGINEER EQUIPMENT MECHANIC

Service: MARINES

AFSC/MOS/Rating: 1341

Occupation: The **Engineer Equipment Mechanic** services and repairs tractors, power shovels, and road machinery and other equipment. He tests and makes reports as well.

Interests & Qualifications: Engineer Equipment Mechanic is a position available to men and women.

The **Engineer Equipment Mechanic** enjoys working with his hands and with machines. He runs large machines and uses small measuring instruments.

Training & Skills: The **Engineer Equipment Mechanic** needs to be able to start, operate, and service all kinds of engineer equipment. He must know the safety rules around engineer equipment, needs to know the names and types of fuels and lubricants and needs to know how to use precise measuring instruments. A 10-week training program for this position is available at Camp Lejeune, North Carolina.

Related Occupations: (Marines)

- Engineer Equipment Operator
- Automotive Mechanic

Title: CONSTRUCTION MECHANIC

Service: NAVY

AFSC/MOS/Rating: CM

Occupation: A **Construction Mechanic** maintains and repairs heavy construction equipment and automotive engines. He operates garage equipment used for moving and testing auto machinery.

Interests & Qualifications: A **Construction Mechanic** should be physically strong and coordinated. He needs mechanical skill. High school courses in electrical shop, machine shop, shop mathematics, and physics are helpful. Work experience as a machinist, millwright, or auto mechanic is valuable.

Training & Skills: A **Construction Mechanic** learns to operate and repair heavy equipment. He is taught through on-the-job experience, the study of training manuals, or by attending a Navy school.

A **Construction Mechanic** may be assigned to naval shore activities and to mobile construction battalions.

Related Occupations: (Civilian)

- Automotive Mechanic
- Diesel Engine Mechanic
- Automotive Serviceman

CONSTRUCTION WORKER

Title: CONSTRUCTION WORKER

Civilian D.O.T. No. 869.887

Occupation: The **Construction Worker** is involved in the construction of buildings, bridges, roads and other similar projects.

Related Military Occupations:

Air Force	Pavements Maintenance Specialist
Army	Combat Engineer
Coast Guard	Damage Controlman
Marine Corps	Combat Engineer
Navy	Builder

Composite Service Job Statement: In the Armed Services, the **Construction Worker** erects and repairs buildings, bridges, and other structures. He loads, unloads, and moves building materials to and from trucks. He mixes, pours and spreads concrete, asphalt, gravel and other materials.

Related Occupations: (Civilian)

- Laborer, Wrecking and Salvaging
- Mortar Mixer
- Reinforcing Iron Worker

Title: PAVEMENTS MAINTENANCE SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 55130

Occupation: A **Pavements Maintenance Specialist** maintains airfields, roads, curbs, walks, and drainage structures. He operates concrete, asphalt and rock crushing equipment.

Interests & Qualifications: It is desirable that a **Pavements Maintenance Specialist** complete high school. School courses in shop are helpful. You must have a score of Mechanical 40 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: The Air Force offers a Pavements Maintenance Specialist course (7 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Training includes learning to read blueprints, understanding soil mechanics, handling drainage problems, and learning about subgrade and pavement construction. Also taught is the repair, inspection and maintenance of pavements.

(These Air Force training requirements are subject to change.)

Related Occupation: (Civilian)

- Construction Worker

Title: COMBAT ENGINEER

Service: ARMY

AFSC/MOS/Rating: 12A

Occupation: The **Combat Engineer** works on construction projects which give engineering support to infantry, artillery, and armor units. He helps build bridges and roads as well as minefields and camouflage to impede enemy movement.

Interests & Qualifications: The **Combat Engineer** must have good mechanical ability. He must have good physical endurance and good emotional stability for working under adverse conditions. Experience in mechanical drawing, carpentry or construction work is most valuable.

Training & Skills: The **Combat Engineer** is trained to use the tools and equipment used in construction work. He learns to surface roads, to erect bridges and make temporary bypasses and shelters. Training also includes general demolition work and operating and loading light weight and tracked vehicles in the field.

Related Occupations: (Army)

- Pioneer
- Bridge Specialist

Title: DAMAGE CONTROLMAN

Service: COAST GUARD

AFSC/MOS/Rating: DC

Occupation: The **Damage Controlman** installs and repairs pipe systems and fixtures for water, gas, steam, compressed air and waste disposal systems on all Coast Guard units. His duties also include firefighting, welding and woodworking.

Interests & Qualifications: A **Damage Controlman** should be average or above in general learning ability. He should have mechanical aptitude. He should also be self-reliant, creative, and have poise under pressure. School courses in carpentry, metal working, machining, practical mathematics and chemistry are useful. Experience as a volunteer or full time fireman is also helpful.

Training & Skills: Upon completion of recruit training, the **Damage Controlman** may attend a 15-week school at Coast Guard Training Center, Governor's Island, New York. Or, he may receive on-the-job training and study course manuals and publications. The **Damage Controlman** may be asked to instruct and handle damage control parties. He is also responsible for the upkeep and repair of damage control equipment such as dewatering pumps, shoring gear, and firefighting equipment.

Related Occupation: (Coast Guard)

- Machinery Technician

Title: COMBAT ENGINEER

Service: MARINES

AFSC/MOS/Rating: 1371

Occupation: The **Combat Engineer** has many kinds of duties. He builds and repairs buildings, lifts and moves heavy objects by using rigging devices, and helps with destroying road blocks, roads and bridges.

Interests & Qualifications: Combat Engineers are interested in building things and working with their hands. Helpful high school courses include basic math and many shop courses. Construction work provides very useful training. Hobbies involving carpentry or welding would also give helpful training.

Training & Skills: The **Combat Engineer** needs to be able to use carpentry, painting and mason tools. He also needs to be able to work with blueprints and drawings. In training, he studies how to lay out patterns, welding and demolition plans and learns about bridge and road building. Formal training is available for this position at Marine Corps Engineer School, Camp Lejeune, North Carolina for 6 weeks. There is also a 7-week Field Skill Training Program.

Related Occupations: (Marines)

- Engineer Operations Chief
- Antitank Assaultman

Title: BUILDER

Service: NAVY

AFSC/MOS/Rating: BU

Occupation: A **Builder** constructs, maintains, and repairs all types of wood and concrete structures. **Builders** operate sawmills, carpenter shops, and cabinetmaking shops.

Interests & Qualifications: A **Builder** should have mechanical skill. He should enjoy working with his hands. High school courses in carpentry and shop mechanics are helpful. Experience in using hand and power tools is of value.

Training & Skills: A **Builder** learns to read blueprints; to work with brick and building tile; to do carpentry work; and to estimate the amount of materials and labor needed on a project. He is trained on-the-job, through the study of special manuals, or by attending a Navy school.

Builders are stationed at naval shore activities and mobile construction battalions.

Related Occupations: (Civilian)

- Construction Worker
- Mason
- Cabinet Maker
- Cement Finisher

COUNSELOR (CAREER)

Title: COUNSELOR (CAREER)

Civilian D.O.T. No. 045.108

Occupation: The **Counselor (Career)** is involved in helping people in the selection and development of their careers. He provides information on opportunities available and makes contacts for individuals with the appropriate sources.

Related Military Occupations:

Air Force	Personnel Specialist
Army	Recruiter and Career Counselor
Coast Guard	Yeoman
Marine Corps	Career Planner
Navy	Navy Counselor

Composite Service Job Statement: In the Armed Services, the **Counselor (Career)** counsels individuals and provides educational and guidance services to assist personnel in pursuit of careers. He explains current opportunities and prepares publicity material for career planning programs.

He may interpret aptitude, achievement, and vocational tests and maintain records of results and interviews to support his counseling efforts.

Related Occupations: (Civilian)

- Guidance Counselor
- College Counselor
- Vocational Advisor

Title: PERSONNEL SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 73230

Occupation: A **Personnel Specialist** prepares personnel action requests and other source documents including unit, field, and master personnel records. Other duties include input in personnel systems management and advising on career development.

Interests & Qualifications: It is desirable that a **Personnel Specialist** complete high school. School courses in English, typing and speech are helpful. You must have a score of Administrative 60 on the Armed Services Vocational Aptitude Battery. You must be able to speak clearly, have unrestricted use of the fingers and arms, and be able to attain a typing rate of 35 words per minute.

This Air Force specialty is open to women.

Training & Skills: The Air Force offers a Personnel Specialist course at Keesler Air Force Base, Biloxi, Mississippi (10 weeks). Training includes instruction in preparation of personnel records; preparation of military correspondence; consolidated base personnel office organization; basic principles of personnel data systems; and techniques in handling career development.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Employment Clerk
- Personnel Clerk

Title: RECRUITER AND CAREER COUNSELOR

Service: ARMY

AFSC/MOS/Rating: 00E

Occupation: A **Recruiter and Career Counselor** contacts and interviews civilian and military personnel to find qualified people for the army. He gives formal and informal talks on the Army as a career, sets up displays and writes recruiting materials.

Interests & Qualifications: A **Recruiter and Career Counselor** should have a background in psychology and personnel management. It is also important to be able to work closely with others and like to help people. Helpful high school courses include English, speech and any other subject dealing with communication between people.

Training & Skills: A **Recruiter and Career Counselor** learns techniques for bringing qualified civilians into military occupations. He learns the proper contacts in schools, among public officials, personnel managers and other interested persons. He learns the proper approaches and speech making methods to attract prospects. He is trained in pertinent Army benefit information, structure and opportunities available so to be able to answer questions.

Related Occupations: (Army)

- Equal Opportunity Specialist
- Drill Sergeant

Title: YEOMAN

Service: COAST GUARD

AFSC/MOS/Rating: YN

Occupation: The **Yeoman** performs a wide variety of administrative functions including preparation and typing of letters and reports, maintenance of personnel and unit records, distribution of official and personal mail, and court reporter for Courts-Martial and Boards of Inquiry.

Interests & Qualifications: Yeomen need qualifications similar to those of secretaries, stenographers and typists in private industry. **Yeomen** should be above average in general learning ability, should possess a degree of manual dexterity and must be able to work well with others in an office organization. Courses in English and in business subjects such as typewriting and filing are very useful.

Training & Skills: Upon completion of recruit training, special training for **Yeoman** begins with 13-weeks of instruction at Coast Guard Training Center, Petaluma, California. Sometimes, training is received on-the-job. Sometimes by studying special manuals. **Yeoman** duties may include typing 30 to 50 words per minute; taking dictation; writing letters and other documents; serving as a unit mail man;

compiling and keeping records; supervising some or all of these activities.

Related Occupations: (Coast Guard)

- Storekeeper

Title: CAREER PLANNER

Service: MARINES

AFSC/MOS/Rating: 8421

Occupation: The **Career Planner** counsels personnel. He discusses with them opportunities and facts concerning a Marine Corps career. He explains a number of programs and benefits in detail.

Interests & Qualifications: This position is open to men and women, Sergeant and above. (This is not an entry level skill.) The **Career Planner** should enjoy working with people, explaining things to them and answering questions. He needs to have detailed knowledge of several government and Marine Corps programs. Helpful high school courses include English, government and psychology.

Training & Skills: The **Career Planner** must be able to counsel personnel in regard to their future plans. In order to do this he must know about options open to personnel. He must be able to explain and discuss re-enlistment incentives in detail. In addition, he must be familiar with retraining programs. Because **Career Planner** is not one of the skills upon which the promotion system is based, Marines from various occupational fields may be selected for this job if qualified.

Related Occupations: (Marines)

- Recruiter
- Education assistant

Title: NAVY COUNSELOR

Service: NAVY

AFSC/MOS/Rating: NC

Occupation: A **Navy Counselor** offers vocational and career planning guidance. He assists in decision making. He recruits civilian personnel into the Navy. He writes speeches and establishes contact with local media.

Interests & Qualifications: A **Navy Counselor** must be able to communicate well and get along with people. He should be able to win the confidence of those seeking his help. Courses in public speaking are helpful for the **Navy counselor.** Experience in guidance, teaching or recreation supervision is valuable.

Training & Skills: A **Navy Counselor** learns to counsel persons concerning Navy/civilian careers and personal matters. He also learns to use vocational information materials, write and deliver talks and establish contact with the local news media. A **Navy Counselor** receives on-the-job training as a recruiter. Selected personnel receive training at a Navy school.

The **Navy Counselor** works in recruiting offices or aboard ships.

Related Occupations: (Civilian)

- Employment Counselor
- Personnel Officer
- Interviewer

COURT REPORTER

Title: COURT REPORTER

Civilian D.O.T. No. 202.388

Occupation: The **Court Reporter** works in the courtroom taking down the testimony of witnesses and other information exchanged in the courtroom. He uses a special machine to record this information.

Related Military Occupations:

Air Force	Legal Services Specialist
Army	Legal Clerk
Coast Guard	Yeoman
Marine Corps	Legal Services Reporter, SPCM
Navy	Legalman

Composite Service Job Statement: In the Armed Services, the **Court Reporter** performs recording duties at court-martial courts of inquiry, investigations and conferences using stenomask, closed microphone or manual recording techniques. He reads back portions of notes as requested, prepares and assembles records and forms associated with legal proceedings.

Related Occupations: (Civilian)

- Law Reporter
- Medical Stenographer
- Public Stenographer

Title: LEGAL SERVICES SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 70530

Occupation: A **Legal Services Specialist** uses a stenomask machine to keep records. He also assists with other duties relating to legal proceedings.

Interests & Qualifications: It is desirable that a **Legal Services Specialist** complete high school. School courses in math and business are helpful. You must have a score of Administrative 60 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: Your present knowledge and skills may qualify you to be a **Legal Services Specialist.** For those in need of training, the Air Force offers courses in basic and more advanced skills for this occupation. Training includes learning to type, to take dictation by stenomask and learning to take and transcribe verbatim records using stenomask at the rate of 175 words per minute. You also learn to complete court-martial records and learn how to maintain reference files.

(These training requirements are subject to change.)

Related Occupations: (Civilian)

- Stenographic Specialist

Title: LEGAL CLERK

Service: ARMY

AFSC/MOS/Rating: 71D

Occupation: A **Legal Clerk** assists legal officers in preparing and processing court-martial records. He also helps with claim studies and other board proceedings.

Interests & Qualifications: A **Legal Clerk** must be able to work closely with others. He must make decisions. He should also have some office skills such as typing, bookkeeping, and shorthand. High school courses in these and other business areas are helpful. Office experience is helpful as are hobbies such as reading.

Training & Skills: Those entering this field are trained to prepare and type reports, records, documents and similar forms. They learn the army file system and how to handle basic pay and accounting operations and how to use office machines. Specialized service school courses in **Legal Clerk** are also offered.

Related Occupations: (Army)

- Administrative Specialist
- Clerk-Typist
- Stenographer

Title: YEOMAN

Service: COAST GUARD

AFSC/MOS/Rating: YN

Occupation: The **Yeoman** performs a wide variety of administrative functions including preparation and typing of letters and reports, maintenance of personnel and unit records, distribution of official and personal mail, and court reporter for Courts-Martial and Boards of Inquiry.

Interests & Qualifications: Yeomen need qualifications similar to those of secretaries, stenographers and typists in private industry. **Yeomen** should be above average in general learning ability, should possess a degree of manual dexterity and must be able to work well with others in an office organization. Courses in English and in business subjects such as typewriting and filing are very useful.

Training & Skills: Upon completion of recruit training, special training for **Yeoman** begins with 13-weeks of instruction at Coast Guard Training Center, Petaluma, California. Sometimes, training is received on-the-job. Sometimes by studying special manuals. **Yeoman** duties may include typing 30 to 50 words per minute; taking dictation; writing letters and other documents; serving as a unit mail man; compiling and keeping records; supervising some or all of these activities.

Related Occupations (Coast Guard)

- Storekeeper

Title: LEGAL SERVICES REPORTER, SPCM

Service: MARINES

AFSC/MOS/Rating: 4422

Occupation: The **Legal Services Reporter** performs various duties in connection with the activities of a legal office. He serves as a reporter for the proceedings of a special courts-martial and investigations.

Interests & Qualifications: This position is open to men and women.

The **Legal Services Reporter** must be able to type 50 words per minute. He must know correct English usage, sentence structure, spelling, and punctuation. He should enjoy office work, Part-time work in an office would provide useful experience.

Training & Skills: Depending on his grade, the **Legal Services Reporter** must be able to use the Navy/Marine Corps Subject Classification Manual. Filing is a skill he needs to have along with the ability to prepare stencils, mats, and other master sheets for reproduction. A 7-week course is available at Camp Pendleton, California.

Related Occupations: (Marines)

- Legal Services Man
- Legal Services Reporter, General Courts-Martial

Title: LEGALMAN

Service: NAVY

AFSC/MOS/Rating: LN

Occupation: A **Legalman** performs secretarial and clerical work in the legal office. He prepares records of hearings, investigations and courts-martial. A **Legalman** helps personnel in preparing legal forms and letters.

Interests & Qualifications: A **Legalman** must be able to work well with others and perform detailed work. High school courses in English and in business subjects are helpful. Clerical experience is valuable.

Training & Skills: A **Legalman** learns typing, stenography, and good English usage. He studies military justice and military legal matters. The **Legalman** receives on-the-job training. He also studies special manuals or attends a Navy school.

A **Legalman** may be assigned to legal offices at sea or ashore.

Related Occupations: (Civilian)

- Legal Clerk
- Law Librarian
- Court Reporter
- Legal Office Manager

CRYPTOGRAPHIC TECHNICIAN

Title: CRYPTOGRAPHIC TECHNICIAN

Civilian D.O.T. No. 208.588

Occupation: The **Cryptographic Technician** deciphers and enciphers messages. He works in law enforcement or business agencies, and uses teletype or teleprinter equipment to transmit messages.

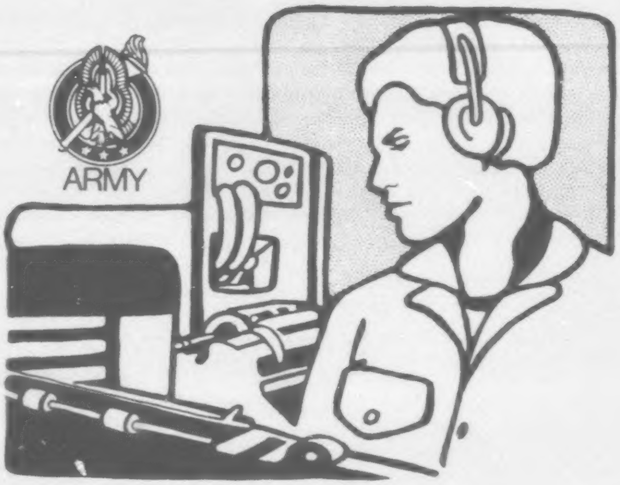
Related Military Occupations:

Air Force	Radio Communications Analysis Specialist
Army	Cryptographic Center Specialist
Coast Guard	Radioman
Marine Corps	Cryptanalyst
Navy	Communications Technician

Composite Service Job Statement: In the Armed Services, the **Cryptographic Technician** operates cryptographic equipment to code, transmit, and decode classified messages for units of Armed Services.

Related Occupations: (Civilian)

- Cipher Expert
- Code Clerk
- Secret Code Expert



Title: RADIO COMMUNICATIONS ANALYSIS SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 20230

Occupation: A **Radio Communications Analysis Specialist** compiles, records and analyzes radio frequency data. Other duties include preparation and study of circuit diagrams, call signs and operating characteristics.

Interests & Qualifications: It is desirable that a **Radio Communications Analysis Specialist** complete high school. School courses in typing are helpful. You must have a General Score of 80 on the Armed Services Vocational Aptitude Battery. Your color vision must be normal and you must be a U.S. citizen and not a former member of the Peace Corps.

This Air Force specialty is open to women.

Training & Skills: In order to become a **Radio Communications Analysis Specialist,** you must complete 8 weeks of training at Goodfellow Air Force Base, Texas. In addition, you must complete a course that will deal directly with the equipment to which you will be assigned. In such courses, you will learn to process radio communications traffic and how to identify circuit diagrams, call signals and radio frequency data. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio Message Router
- Coding Clerk
- Radio Operator

Title: CRYPTOGRAPHIC CENTER SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 72D

Occupation: A **Cryptographic Center Specialist** is involved with the coding and decoding of highly sensitive materials. He uses special communication equipment and works under strict security.

Interests & Qualifications: A **Cryptographic Center Specialist** needs clear speech, good hearing, eye-hand coordination and must be able to work well with the hands and fingers. Also important is the ability to read and understand messages and instructions. High school courses in business and electronics are helpful, as is any office experience or a hobby in using a "ham" radio.

Training & Skills: Those entering this field are taught the basics of army communications networks, security rules and how to operate and repair the equipment to which they are assigned. They learn such specific skills as Morse Code, a foreign language or electrical and electronic theory. Computer programming and operation, touch typing, and teletyping may also be taught.

Related Occupations: (Army)

- Data Communications Terminal Specialist
- Communications Center Specialist

Title: RADIOMAN

Service: COAST GUARD

AFSC/MOS/Rating: RM

Occupation: The **Radioman** handles the transmitting and receiving of messages which enable Coast Guard units to help distressed vessels. This includes operating and maintaining radio equipment. He must be an expert in voice communications, Morse Code and teletype, and be able to handle responsibility in pressure situations.

Interests & Qualifications: The **Radioman** should be average or above in general learning ability. He needs good hearing and a clear speaking voice. He also needs to be able to work well with his hands and fingers. School training of a technical nature in physics and electricity is helpful. Also of value are the ability to type and experience as an amateur radio operator.

Training & Skills: Upon completion of recruit training, the **Radioman** goes to a 20-week school at Coast Guard Training Center, Petaluma, California.

Skills learned by the **Radioman** include operating communication transmission and reception equipment; and transmitting and receiving Morse Code and voice communications.

Related Occupations: (Coast Guard)

- Quartermaster

Title: CRYPTANALYST

Service: MARINES

AFSC/MOS/Rating: 2649

Occupation: The **Cryptanalyst** performs duties relating to communication. These duties are considered classified. He may operate and maintain special communications equipment.

Interests & Qualifications: A **Cryptanalyst** should have good vision, hearing and eye-hand coordination. He should be quick to react and have good verbal abilities. He also needs to have a security clearance.

Helpful high school courses include: English, foreign language, math and physics. Helpful hobbies include reading, stamp collecting, or similar exercises. This position is open to both men and women.

Training & Skills: In learning to be a **Cryptanalyst,** the Marine studies International Morse Code, electricity, and magnetism and the preparation of military messages.

Training is available at Ft. Devens, Massachusetts. The program lasts 14 weeks, 1 day.

Related Occupations: (Marines)

- Cryptologic Linguist
- Radio-Telegraph Operator

Title: COMMUNICATIONS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: CT

Occupation: A **Communications Technician** performs specialized duties. These include special communications, special operations, and communication security. He must have top secret clearance.

Interests & Qualifications: A **Communications Technician** should be able to adapt to new techniques and enjoy detailed work. He must be trustworthy. High school courses in typing, office machines, English, physics, and electricity are useful. Experience as a telegrapher, radio operator, electronics repairman, or clerk typist is helpful.

Training & Skills: A **Communications Technician** is trained in Morse Code; operation of communication equipment; electronic theory; foreign languages; or clerical work, depending on his specialty. He learns these things at a Navy school.

A **Communications Technician** is assigned to a ship or communication station.

Related Occupations: (Civilian)

- Communication Specialist
- Telegrapher
- Radio Telephone Operator

DENTAL ASSISTANT

Title: DENTAL ASSISTANT

Civilian D.O.T. No. 079.378

Occupation: The **Dental Assistant** records medical and dental history, prepares patients for examinations, assists in dental procedures, and records treatment.

Related Military Occupations:

Air Force	Dental Specialist
Army	Dental Specialist
Coast Guard	Dental Technician
Navy	Dental Technician

Composite Service Job Statement: In the Armed Services, **Dental Assistants** help the dental officer in the treatment of patients. They perform both clinical and administrative duties. They prepare patients for dental examinations and general dental treatment. They arrange dental tools for use, prepare dental materials, and sterilize instruments. They also make appointments, take X-rays, and develop them for mounting and examination.

Related Occupations: (Civilian)

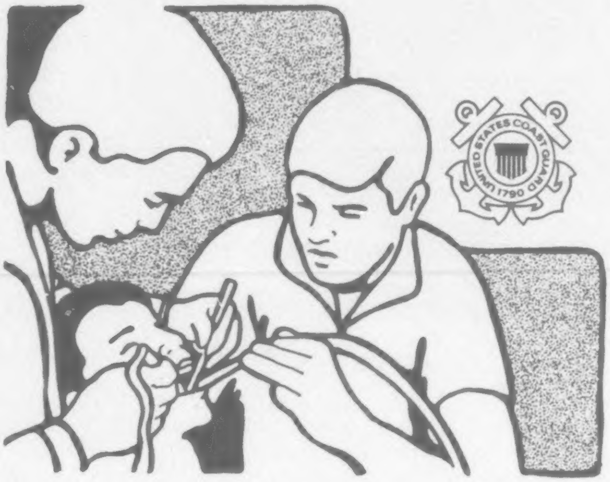
- Nurse, Licensed Practical
- Medical Assistant
- Surgical Technician

Title: DENTAL SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 98130

Occupation: A **Dental Specialist** assists the dental officer in his work. The specialist receives patients, keeps records, and prepares patients for treatment.



Interests & Qualifications: It is desirable that a **Dental Specialist** complete high school. School courses in anatomy, physiology, biology and chemistry are helpful. You must have a score of General 60 on the Armed Services Vocational Aptitude Battery. Any knowledge you already have of basic medical supply routing is helpful.

This Air Force specialty is open to women.

Training & Skills: To be a **Dental Specialist,** you must complete the Dental Specialist course (13 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Training includes instruction in oral and dental anatomy; dental materials, sterilization of instruments; preparation of surgical packs; radiology techniques; and care of dental instruments. Also taught are dental administrative procedures and exercises in helping the dental officer. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Dental Hygienist
- Dental Assistant

Title: DENTAL SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 91E

Occupation: A **Dental Specialist** takes and develops dental X-rays, obtains supplies, prepares dental chair and unit, and readies the patient. He selects and passes instruments to the dentist, applies first aid and schedules appointments.

Interests & Qualifications: A **Dental Specialist** must be stable, dependable and be able to work closely with others. High school courses in first aid, health, hygiene, chemistry or biology are helpful. Also helpful is work experience as a dentist's assistant or nurse's aid.

Training & Skills: A **Dental Specialist** learns how to administer injections and apply aseptic methods in cleaning and storing dental instruments. He is taught procedures in cleaning teeth and filling cavities and how to take stitches in the gums and surrounding tissue. He also learns how to instruct patients on oral care. He is instructed on methods of record keeping for keeping track of individual's progress.

Related Occupations: (Army)

- Dental Fixed Prosthetic Specialist
- Operating Room Specialist

Title: DENTAL TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: DT

Occupation: The **Dental Technician** performs dental, clinical and administrative duties. He also assists dental officers in treatment of patients, and maintains and repairs equipment.

Interests & Qualifications: Dental Technicians should be average or above in general learning ability. They should also have the ability to work closely with others. School courses in physiology, biology, hygiene and chemistry are helpful. Dental or medical experience is very helpful.

Training & Skills: Upon completion of recruit training, **Dental Technicians** go to a 12-week school at Coast Guard Training Center, Cape May, New Jersey.

Training includes learning anatomy and physiology; odontography; dental histology; oral pathology; principles of bacteriology; dental first aid, basic pharmacology; dental materials; assisting techniques; instrumentation; sterilization; basic X-ray; and safety rules.

Related Occupations: (Coast Guard)

- Hospital Corpsman

Title: DENTAL TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: DT

Occupation: The **Dental Technician** assists a dental officer in treating patients. He prepares materials, assists in oral surgery, sets up appointments and maintains records. He also develops and processes X-rays.

Interests & Qualifications: A **Dental Technician** must have the interest and ability to work in dentistry. High school courses in physiology, hygiene and chemistry are helpful. Dental or medical experience is valuable.

Training & Skills: A **Dental Technician** receives training at a Navy school. He learns about dental diseases, dental anatomy, oral hygiene and drugs used in dentistry. Clerical procedures, operating room assistance and equipment repair is also taught.

The **Dental Technician** works aboard ships and at naval hospitals and dispensaries ashore.

Related Occupations: (Civilian)

- Dental Hygienist
- Dental Assistant
- Laboratory Technician

DETECTIVE

Title: DETECTIVE

Civilian D.O.T. No. 376.268

Occupation: The **Detective** works as a researcher collecting and compiling information. He investigates and keeps track of certain activities and reports his conclusions.

Related Military Occupations:

Army	Assistant Special Agent
Coast Guard	Port Securityman (USCGR Only)
Marine Corps	Intelligence Man (Air/Ground)
Navy	Intelligence Specialist

Composite Service Job Statement: In the Armed Services, the **Detective** works in an intelligence role to protect United States property and interests. He is involved with the fundamentals of military intelligence and deals with the gathering, analyzing and handling of classified materials and information.

Related Occupations: (Civilian)

- House Detective
- Undercover Agent
- Private Investigator

Title: ASSISTANT SPECIAL AGENT

Service: ARMY

AFSC/MOS/Rating: 95D

Occupation: The **Assistant Special Agent** assists in the investigation of crimes, collects evidence and interviews witnesses. He also investigates minor incidents and offenses involving government property and individuals.

Interests & Qualifications: An **Assistant Special Agent** must have a good memory, be dependable, and be able to reason well. High school courses in sociology are helpful as is experience in social or investigative work.

Training & Skills: Those entering this field are taught the laws and methods of apprehension, search and seizure. They are taught methods of armed and unarmed defense. Training is also given in crime laboratory analysis and preparing reports of findings for court and general office use.

Related Occupations: (Army)

- Correctional Specialist
- Military Policeman

Title: PORT SECURITYMAN (USCGR ONLY)

Service: COAST GUARD

AFSC/MOS/Rating: PS

Occupation: The **Port Securityman** is a specialist in the techniques, skills, and equipment necessary to enforce regulations for the protection and security of vessels, harbors, ports, and waterfront facilities.

Interests & Qualifications: The **Port Securityman** should be average or above in general learning ability. He should have normal hearing and vision. School courses in practical mathematics, chemistry, and English are helpful. In addition, any experience in law enforcement is very helpful.

Training & Skills: Upon completion of recruit training, further training for **Port Securityman** rating begins with 12 weeks of intensive training at Coast Guard Reserve Training Center, Yorktown, Virginia.

Among other things, he learns fire prevention and extinguishment and how to handle himself well in dangerous situations.

The **Port Securityman** rating is strictly a Coast Guard Reserve rating.

Related Occupations: (Coast Guard)

- Boatswain's Mate

Title: INTELLIGENCE MAN (AIR/GROUND)

Service: MARINES

AFSC/MOS/Rating: 0231

Occupation: The **Intelligence Man (Air/Ground)** collects information about the enemy, the terrain, and the weather. He briefs others, including pilots.

Interests & Qualifications: The **Intelligence Man (Air/Ground)** must be eligible for a secret security clearance. He needs to be able to type 20-30 words per minute.

Useful high school courses include English, typing, geography, social studies, and math. He needs to be able to describe what he sees.

Training & Skills: Depending on his grade, the **Intelligence Man (Air/Ground)** must know how to recognize friendly and enemy combat equipment. He also needs to know how to help make maps and know how to use telephone, teletype and voice radio procedures. He also needs to know the main principles of air and ground reconnaissance planning. A 7-week training program is available at the U.S. Army Intelligence School, Ft. Huachuca, Arizona.

Related Occupations: (Marines)

- Intelligence Chief
- Interrogator-Translator

Title: INTELLIGENCE SPECIALIST

Service: NAVY

AFSC/MOS/Rating: IS

Occupation: The **Intelligence Specialist** assists in the collecting, processing and disbursing of information. He researches and identifies materials and makes reports for intelligence briefings. He interprets photographs and maps to plan missions.

Interests & Qualifications: An **Intelligence Specialist** should be able to use practical mathematics. He should have normal color perception and vision. High school courses in mathematics and mechanical drawing are helpful.

Training & Skills: After completion of recruit training, the **Intelligence Specialist** attends a Navy school for instruction in this occupation. He learns to assemble and analyze intelligence information; learns to prepare and present intelligence briefings; learns to prepare materials including photographs, maps and charts for interpretive use and learns to maintain intelligence libraries. He receives training on-the-job as well as from the study of special manuals.

Related Occupations: (Civilian)

- Chart Maker
- Map Maker
- Photo Analyst

DIESEL MECHANIC

Title: DIESEL MECHANIC

Civilian D.O.T. No. 625.281

Occupation: The **Diesel Mechanic** performs preventive maintenance and repair work on diesel engines. He changes oil, replaces worn parts, and installs batteries and other equipment as necessary.

Related Military Occupations:

Air Force	General Purpose Vehicle Repairman
Army	Engineer Equipment Repairman
Coast Guard	Machinery Technician
Marine Corps	Engineer Equipment Mechanic
Navy	Engineman

Composite Service Job Statement: In the Armed Services, the **Diesel Mechanic** operates, repairs, and maintains the diesel engines used to power machines such as buses, trucks, and ships. He works with hand tools and metal working tools. He diagnoses trouble, examines parts for excessive wear and overhauls engines.

Related Occupations: (Civilian)

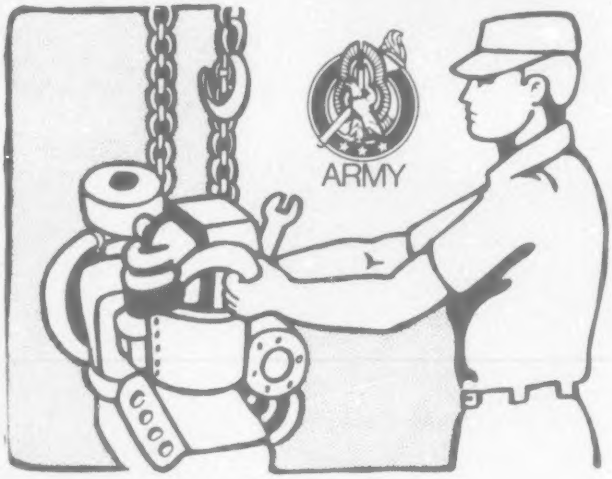
- Power Saw Mechanic
- Diesel Engine Repairman
- Gasoline Engine Repairman

Title: GENERAL PURPOSE VEHICLE REPAIRMAN

Service: AIR FORCE

AFSC/MOS/Rating: 47330

Occupation: A **General Purpose Vehicle Repairman** inspects, maintains, and repairs general purposes vehicles. Duties include engine tune-up, servicing transmissions, cooling system repair, and lubrication system service and repair.



Interests & Qualifications: It is desirable that a **General Purpose Vehicle Repairman** complete high school. School courses in auto mechanics and physics are helpful. You must have a score of at least Mechanical 40 on the Armed Services Vocational Aptitude Battery. Any work you have done with engines of all types, reading parts lists or doing mechanical work will be of help to you. This Air Force specialty is open to women.

Training & Skills: A General Purpose Vehicle Repairman course (12 weeks) is offered at Chanute Air Force Base, Rantoul, Illinois. This training course will teach you to remove, replace, adjust and overhaul engines. You will learn to perform preventive maintenance and service front-end and steering systems.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Automobile Service Mechanic
- Gasoline Engine Repairman
- Diesel Mechanic

Title: ENGINEER EQUIPMENT REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 62B

Occupation: An **Engineer Equipment Repairman** cleans and services batteries and major parts of wheel and track vehicles. He lubricates, drains and flushes radiators and tightens bolts, clamps and connections.

Interests & Qualifications: An **Engineer Equipment Repairman** should have mechanical skill and ability to reason well. It is important to have good eye-hand coordination, to work well with the hands and to have good hearing and vision. High school courses in math, physics, auto mechanics, electricity or other shop courses are helpful. Also helpful is work in auto or farm machinery repair and welding and sheetmetal.

Training & Skills: Those entering this field are taught the basics of math, physics and electrical and fuel systems. Also taught is the use of tools, gauges, testing equipment, rigging operations, driving techniques and safety rules. They also learn the name, location and characteristics of weapons, machinery and parts.

Related Occupations: (Army)

- Engineer Missile Equipment Specialist
- Automotive Repairman

Title: MACHINERY TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: MK

Occupation: The **Machinery Technician** operates, maintains, and repairs internal combustion engines. He also works on propulsion boilers, steam turbines and power transmission equipment.

Interests & Qualifications: A **Machinery Technician** should be average or above in math. He should have an aptitude for mechanics. Helpful school studies include machine shop, electricity, and various math courses. Experience as a mechanic, machinist, or power plant operator is very helpful.

Training & Skills: After recruit training, the **Machinery Technician** may attend a 16-week school at the Coast Guard Reserve Training Center, Yorktown, Virginia. Or, he may train on-the-job or through the study of manuals and publications.

The **Machinery Technician** may learn to maintain and repair a number of related machines and engines including air-conditioning equipment, cranes, winches, and elevators.

Related Occupations: (Coast Guard)

- Damage Controlman
- Electrician's Mate

Title: ENGINEER EQUIPMENT MECHANIC

Service: MARINES

AFSC/MOS/Rating: 1341

Occupation: The **Engineer Equipment Mechanic** services and repairs tractors, power shovels, and road machinery and other equipment. He tests and makes reports as well.

Interests & Qualifications: Engineer Equipment Mechanic is a position available to men and women.

The **Engineer Equipment Mechanic** enjoys working with his hands and with machines. He runs large machines and uses small measuring instruments.

Training & Skills. The **Engineer Equipment Mechanic** needs to be able to start, operate, and service all kinds of engineer equipment. He must know the safety rules around engineer equipment, needs to know the names and types of fuels and lubricants and needs to know how to use precise measuring instruments. A 10-week training program for this position is available at Camp Lejeune, North Carolina.

Related Occupations: (Marines)

- Engineer Equipment Operator
- Automotive Mechanic

Title: ENGINEMAN

Service: NAVY

AFSC/MOS/Rating: EN

Occupation: An **Engineman** operates, maintains and repairs internal combustion engines. He also operates and maintains refrigeration and air-conditioning equipment on diesel driven ships.

Interests & Qualifications: An **Engineman** needs mechanical skill and interest. He should be able to work well with numbers. High school courses in math, algebra, geometry, physics and shop are helpful. Experience in automotive repair is valuable.

Training & Skills: An **Engineman** learns to operate and repair diesel and gasoline engines. He is taught basic electricity, basic principles of air-conditioning and refrigeration and how to work with measuring instruments. He learns by on-the-job training, by the study of special manuals or by attending a Navy school.

An **Engineman** may be stationed aboard ship, in naval shipyards, or at naval repair facilities.

Related Occupations: (Civilian)

- Engine Mechanic
- Diesel Mechanic
- Heating Plant Specialist

DIVER

Title: DIVER

Civilian D.O.T. No. 899.281

Occupation: The **Diver** is trained to swim and dive for various underwater operations. He uses scuba gear or diving suit to perform inspections, repairs, and installation of equipment and structures.

Related Military Occupations:

Army	Diver
Navy	Diver

Composite Service Job Statement: In the Armed Services, the **Diver** works at various depths performing underwater duties. He does much repair work. He calks seams, patches holes, clears propellers and adjusts rudders. He assists in underwater construction of piers, pipelines and detonates explosives to clear areas. He also collects data for research of ocean and river bottoms and maintains records of his observations.

Related Occupations: (Civilian)

- Bellman
- Life Line Man
- Submarine Worker

Title: DIVER

Service: ARMY

AFSC/MOS/Rating: 00B

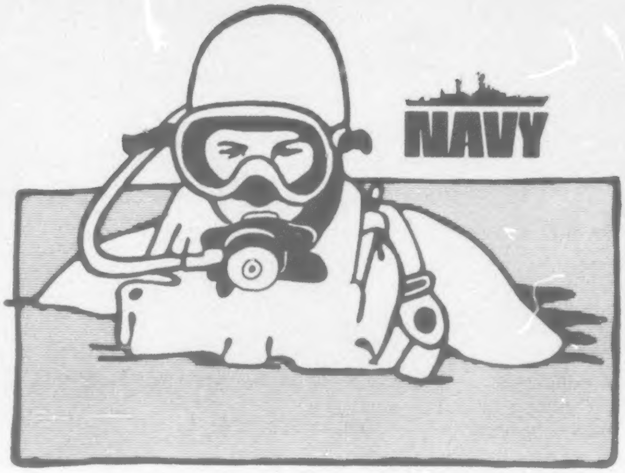
Occupation: A **Diver** performs underwater rescue, repair and demolition work. He gathers data on obstacles and routes to use, operates underwater cameras and prepares beach or river intelligence reports.

Interests & Qualifications: A **Diver** must have good eye-hand coordination, mechanical skills and be able to reason well. High school courses in driving, auto mechanics and swimming are helpful. Hobbies or work experience in water safety are also helpful.

Training & Skills: A **Diver** learns the use of equipment for underwater research and repair of vessels. Training includes use of tools to calk and seam cracks and clear rudders and propellers. He is taught how to perform underwater construction of bridges and piers. Underwater research instruction teaches him to use photographic equipment and explosives to help clear and explore areas for harbor expansion and related structures.

Related Occupations: (Army)

- Seaman
- Marine Senior Sergeant
- Amphibian Engineer



Title: DIVER

Service: NAVY

AFSC/MOS/Rating: SPECIAL

Occupation: A **Diver** may perform salvage, repair or demolition work. He may also be used in rescue operations at sea.

Interests & Qualifications: A **Diver** must be physically strong and well coordinated. He needs mechanical skill and should be able to make decisions independently. Training in swimming, diving, water safety and first aid is helpful.

Training & Skills: Diver learns to handle and position underwater explosive devices. He is taught to do underwater repair work to ships, launching facilities, and at-sea installations. A **Diver** studies search and rescue techniques and water safety. He receives training on-the-job or by attending a Navy school.

A **Diver** may be stationed at sea or at naval shore facilities.

Related Occupations: (Civilian)

- Construction Worker
- Diving Instructor
- Fisherman
- Salvage Worker

ELECTRIC-MOTOR REPAIRMAN (ELECTRICIAN)

Title: ELECTRIC-MOTOR REPAIRMAN (ELECTRICIAN)

Civilian D.O.T. No. 721.281

Occupation: The **Electric-Motor Repairman (Electrician)** repairs electrical units including motors. He works for telephone companies, power plants, and other communication and power-generating systems.

Related Military Occupations:

Army	Electrician
Coast Guard	Electrician's Mate
Marine Corps	Aviation Fire Control Repairman
Navy	Electrician's Mate

Composite Service Job Statement: In the Armed Services, the **Electric-Motor Repairman (Electrician)** maintains and repairs electrical motors used in propulsion systems, lighting systems, and related power systems. He tests motors to insure that performance meets specifications.

Related Occupations: (Civilian)

- Dynamotor Repairman
- Ignition Specialist
- Transformer Tester

Title: ELECTRICIAN

Service: ARMY

AFSC/MOS/Rating: 51R

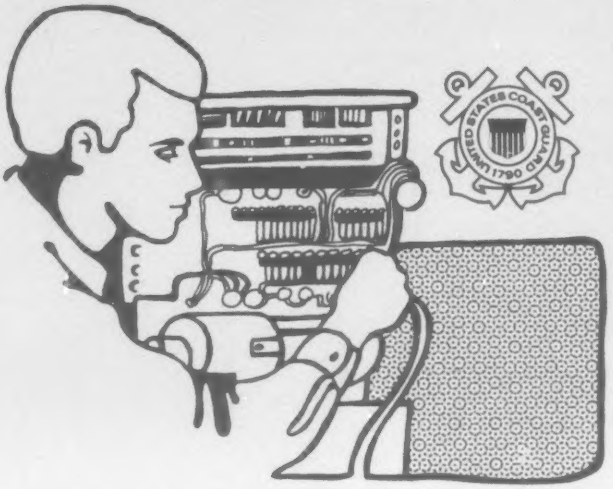
Occupation: An **Electrician** installs, inspects and repairs electrical lighting systems. He also works with overhead and underground power systems.

Interests & Qualifications: An **Electrician** must know basic principles of alternating and direct current. He must have mechanical ability, ability to work with blueprints and drawings, be able to work with numbers and to reason well. He must also have good eye-hand coordination, ability to work well with his hands, and a good sense of balance. High school courses in electronics/electricity, math and blueprint reading are helpful.

Training & Skills: An **Electrician** learns to read blueprints and circuit drawings to install, repair and replace wiring systems. He is taught to splice and connect wires and cables, to erect poles, repair loose or faulty connections, use test equipment to check meter readings and voltages, and to perform first aid in case of shock. Regular school courses plus on-the-job training provide him with much of this knowledge.

Related Occupations: (Army)

- Utilities Foreman
- Heating and Cooling Specialist



Title: ELECTRICIAN'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: EM

Occupation: The **Electrician's Mate** works with alternating and direct current, circuits, switchboards, searchlights, and other electrical instruments. He operates and repairs the ship or station's electrical power plant.

Interests & Qualifications: The **Electrician's Mate** should be average or above in general learning ability. He should also have aptitude for practical math. He should enjoy work of an electrical and mechanical nature. Training in school shop, practical mathematics and physics is very useful. Previous experience in electronics is also valuable.

Training & Skills: After completion of recruit training, the **Electrician's Mate** may take 16 weeks training at Coast Guard Training Center, Governor's Island, New York. Sometimes he is trained on-the-job under the guidance of experienced personnel and by studying manuals and publications.

Related Occupations: (Coast Guard)

- Damage Controlman
- Telephone Technician
- Machinery Technician

Title: AVIATION FIRE CONTROL REPAIRMAN

Service: MARINES

AFSC/MOS/Rating: 5943

Occupation: The **Aviation Fire Control Repairman** works with aviation radar systems. He learns what is not working in these systems either by looking or by testing them with special instruments.

Interests & Qualifications: A secret security clearance will be required.

The **Aviation Fire Control Repairman** must know basic math and physics very well. He needs to be skilled at working with his hands with complex equipment.

In addition to math and science, other helpful high school courses include mechanical drawing and electric and machine shop.

Training & Skills: Depending on his grade, the **Aviation Fire Control Repairman** must know the theory of how solid state devices and vacuum tubes work. He also needs to know about transformers, motors, generators, and electronic circuits. He must be able to read and understand schematics, wiring diagrams and other technical data. He must be able to adjust and repair radar circuitry. He must complete the Aviation Fire Control Repairman course.

Related Occupations: (Marines)

- Aviation Fire Control Technician
- Ground Radar Technician

Title: ELECTRICIAN'S MATE

Service: NAVY

AFSC/MOS/Rating: EM

Occupation: An **Electrician's Mate** installs and repairs electric motors and equipment. He tests circuits for shorts and performs electrical shop work. He runs wiring for lights and other equipment.

Interests & Qualifications: An **Electrician's Mate** needs electrical and mechanical skill. He should be able to do practical math problems. High school courses in electrical shop, practical and shop mathematics and physics are helpful. Experience in electrical work is valuable.

Training & Skills: An **Electrician's Mate** learns electrical theory and its uses. He is taught to read blueprints and electrical diagrams, to repair motors and generators, to solder electrical connections, and to operate power systems. An **Electrician's Mate** learns by on-the-job training, the study of special manuals, or by attending a Navy school.

An **Electrician's Mate** serves on all types of ships and at naval shipyards and bases.

Related Occupations: (Civilian)

- Battery Repairman
- Electrical Motor Repairman
- Powerhouse Electrician

ELECTRICIAN

Title: ELECTRICIAN

Civilian D.O.T. No. 824.281

Occupation: The **Electrician** works with circuits and wire installations to connect up homes and buildings with electrical power. He reads circuit diagrams and repairs connections.

Related Military Occupations:

Air Force	Electrician
Army	Electrician
Coast Guard	Electrician's Mate
Marine Corps	Electrician
Navy	Electrician's Mate

Composite Service Job Statement: In the Armed Services, the **Electrician** installs, inspects, maintains and repairs low or high voltage electrical systems. He maintains and repairs power and lighting circuits, electrical fixtures, or other electrical systems. He repairs and rebuilds electrical equipment in an electrical shop.

Related Occupations: (Civilian)

- Airport Electrician
- Street Light Repairman
- Wireman

Title: ELECTRICIAN

Service: AIR FORCE

AFSC/MOS/Rating: 54230

Occupation: An **Electrician** installs, services, troubleshoots, and repairs low voltage electrical and electronic equipment. Other duties involve work with generation, interior distribution, and control systems.

Interests & Qualifications: It is desirable that an **Electrician** complete high school. School courses in physics and math are helpful. You must have a score of Electronic 50 on the Armed Services Vocational Aptitude Battery. You must have normal color vision.

This Air Force specialty is open to women.

Training & Skills: The Air Force offers a 9 week Electrician course at Sheppard Air Force Base, Wichita Falls, Texas. Skills taught include installation and care of interior electrical systems; maintenance and repair of system circuitry; and principles of operation and maintenance of sensory, detection and warning devices.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Electrician
- Electrical Repairman
- Powerhouse Repairman (Light, Heat, and Power)

Title: ELECTRICIAN

Service: ARMY

AFSC/MOS/Rating: 51R

Occupation: An **Electrician** installs, inspects and repairs electrical lighting systems. He also works with overhead and underground power systems.

Interests & Qualifications: An **Electrician** must know basic principles of alternating and direct current. He must have mechanical ability, ability to work with blueprints and drawings, be able to work with numbers and to reason well. He must also have good eye-hand coordination, ability to work well with his hands, and a good sense of balance. High school courses in electronics/electricity, math and blueprint reading are helpful.

Training & Skills: An **Electrician** learns to read blueprints and circuit drawings to install, repair and replace wiring systems. He is taught to splice and connect wires and cables, to erect poles, repair loose or faulty connections, use test equipment to check meter readings and voltages, and to perform first aid in case of shock. Regular school courses plus on-the-job training provide him with much of this knowledge.

Related Occupations: (Army)

- Utilities Foreman
- Heating and Cooling Specialist

Title: ELECTRICIAN'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: EM

Occupation: The **Electrician's Mate** works with alternating and direct current, circuits, switchboards, searchlights, and other electrical instruments. He operates and repairs the ship or station's electrical power plant.

Interests & Qualifications: The **Electrician's Mate** should have average or above learning ability. He should also have aptitude for practical math. He should enjoy work of an electrical and mechanical nature. Training in school shop, practical mathematics and physics is very useful. Previous electrical experience is also valuable.

Training & Skills: After completion of recruit training, the **Electrician's Mate** may take 16 weeks training at Coast Guard Training Center, Governor's Island, New York. Sometimes he is trained on-the-job under the guidance of experienced personnel and by studying manuals and publications.

Related Occupations: (Coast Guard)

- Damage Controlman
- Telephone Technician
- Machinery Technician

Title: ELECTRICIAN

Service: MARINES

AFSC/MOS/Rating: 1141

Occupation: The **Electrician** installs, maintains and repairs electrical equipment of all kinds. He plans work by looking at drawings and work orders. Also he may be asked to camouflage and protect electrical systems.

Interests & Qualifications: Electrician is a position open to men and women.

The **Electrician** needs to be able to work with his hands easily. Helpful high school courses include basic math and physics, various shop courses and mechanical drawing. A hobby of repairing small electric motors is useful.

Training & Skills: Depending on his grade, the **Electrician** needs to be able to plan and make sketches for installing electrical systems as well as be aware of safety procedures and first aid measures to use in his work. In training, he studies electric motors, wire splicing, basic math and basic electrical theory. Training is available at Camp Lejeune, North Carolina — 6 weeks for Basic Electrician.

Related Occupations: (Marines)

- A/C Maintenance Support Equipment Electrician
- Utilities Chief

Title: ELECTRICIAN'S MATE

Service: NAVY

AFSC/MOS/Rating: EM

Occupation: An **Electrician's Mate** installs and repairs electric motors and equipment. He tests circuits for shorts and performs electrical shop work. He runs wiring for lights and other equipment.

Interests & Qualifications: An **Electrician's Mate** needs electrical and mechanical skill. He should be able to do practical math problems. High school courses in electrical shop, practical and shop mathematics and physics are helpful. Experience in electrical work is valuable.

Training & Skills: An **Electrician's Mate** learns electrical theory and its uses. He is taught to read blueprints and electrical diagrams, to repair motors and generators, to solder electrical connections, and to operate power systems. An **Electrician's Mate** learns by on-the-job training, the study of special manuals, or by attending a Navy school.

An **Electrician's Mate** serves on all types of ships and at naval shipyards and bases.

Related Occupations: (Civilian)

- Battery Repairman
- Electrical Motor Repairman
- Powerhouse Electrician

ELECTRICIAN (AVIATION)

Title: ELECTRICIAN (AVIATION)

Civilian D.O.T. No. 825.281

Occupation: The **Electrician (Aviation)** installs, adjusts, maintains and inspects electrical wiring, fixtures and switches in aircraft. He performs pre- and post-flight checks.

Related Military Occupations:

Air Force	Aircraft Electrical Repairman
Army	Avionics Mechanic
Coast Guard	Aviation Electrician's Mate
Marine Corps	Aircraft Electrician
Navy	Aviation Electrician's Mate

Composite Service Job Statement: In the Armed Services, the **Electrician (Aviation)** installs, inspects, repairs, overhauls, and modifies electrical and electronic aviation systems. He repairs or replaces electrical voltage regulators and limit switches. He inspects electrical systems for defects and disassembles them for repair. He checks installed and repaired parts for compliance with technical specifications.

Related Occupations: (Civilian)

- Electrical Inspector
- Wireman
- Electrician, Field Service

Title: AIRCRAFT ELECTRICAL REPAIRMAN

Service: AIR FORCE

AFSC/MOS/Rating: 42330

MARINES
U.S.M

Occupation: An **Aircraft Electrical Repairman** performs as an electrician on aircraft. This non-flying job involves installation, inspection, repair, and troubleshooting aircraft electrical systems and components.

Interests & Qualifications: It is desirable that an **Aircraft Electrical Repairman** be a high school graduate. School courses in physics and math are helpful. You must have an electronic score of 40 or mechanical score of 40 on the armed services vocational aptitude battery. You must have normal color vision. This Air Force specialty is open to women.

Training & Skills: The Air Force offers a 16 week aircraft electrical repairman course at Chanute Air Force Base, Rantoul, Illinois. This course prepares you for duties such as conducting tests using generator test stands, system testers, oscilloscopes, and measuring devices. You will learn to service systems such as alternators, fire and overheat warning systems, and transformers. (These Air Force training requirements are subject to change.)

Related Occupations:

- Electrician, Airplane

Title: AVIONICS MECHANIC

Service: ARMY

AFSC/MOS/Rating: 35K

Occupation: An **Avionics Mechanic** performs checks and adjustments on avionic equipment. He spots, diagnoses problems; replaces faulty parts, fuses and lamps; and checks wiring harness to effect repairs.

Interests & Qualifications: An **Avionics Mechanic** needs to have math and mechanical skills, be able to reason well and to think clearly under pressure. Also important is good eye-hand coordination, working well with his hands and good night and color vision. High school or trade school courses in electricity/electronics (radio, TV) are helpful as is any experience or hobby working with electronic equipment or circuit work.

Training & Skills: Those entering this field are taught to operate, adjust and do maintenance work on electrical and electronic devices. They also learn to maintain and adjust the special tools used. Other training includes; learning to work on aircraft and ground based equipment, learning to make inspections for defects, learning to make tests on engine calibration, and learning how to tighten loose wires and circuitry.

Related Occupations: (Army)

- Calibration Specialist
- Electronic Instrument Repairman

Title: AVIATION ELECTRICIAN'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: AE

Occupation: An **Aviation Electrician's Mate** works with wiring systems, generator and motor theory power circuits, direct and alternating current machinery, and basic electronics. He maintains all the electrical systems in an aircraft.

Interests & Qualifications: Aviation Electrician's Mates should have aptitude for electrical work. They should be average or above in general learning ability. School courses in algebra, trigonometry, physics and electricity are helpful. Practical experience with automotive electrical circuits is very useful.

Training & Skills: After completion of recruit training, the **Aviation Electrician's Mate** takes 22 weeks of special training at Naval Air Technical Training Center, Jacksonville, Florida.

To advance as an **Aviation Electrician's Mate**, you must show that you know and use all safety precautions when working with tools, equipment and materials. You must also show that you can rescue a person who has or is being electrically shocked.

Related Occupations: (Coast Guard)

- Aviation Machinist Mate
- Aviation Survivalman
- Aviation Structural Mechanic

Title: AIRCRAFT ELECTRICIAN

Service: MARINES

AFSC/MOS/Rating: 663X

Occupation: The **Aircraft Electrician** works on aircraft electrical systems. He inspects, installs, maintains and repairs all related components under routine service programs.

Interests & Qualifications: The **Aircraft Electrician** should have good verbal and reasoning abilities. He should also have good finger dexterity, eye-hand coordination, good vision and hearing. High school courses or trade school courses in electricity or electronics are most helpful.

Training & Skills: The **Aircraft Electrician** needs a confidential security clearance. He must satisfactorily complete an appropriate school course at NATTC, Memphis, Tennessee. In this course he will learn the operation, adjustment and preventive maintenance of electrical and electronic devices and associated equipment. He also learns to use the special handtools and test equipment necessary for this work.

Related Occupations: (Marines)

- None

Title: AVIATION ELECTRICIAN'S MATE

Service: NAVY

AFSC/MOS/Rating: AE

OCCUPATION: The **Aviation Electrician's Mate** installs, maintains and repairs all aircraft electrical and power control systems. He installs and maintains aircraft wiring and flight and engine instrument systems.

Interests & Qualifications: The **Aviation Electrician's Mate** should have a high aptitude for electrical work and have a good general learning ability.

A high school education including such courses as algebra, physics, and electric shop is desirable. Any prior experience in electrical work will be most valuable.

Training & Skills: During recruit training selected candidates attend the aviation electrician's school. In this school, they learn the fundamentals of basic electricity, ignition systems, electrical power supply and electrical line maintenance. Advanced schooling is available to develop more advanced skills. They serve on aircraft carriers and naval air stations ashore.

For those not selected to attend this special school, training is received on-the-job and through the study of Navy training courses.

Related Occupations: (Civilian)

- Electrician's Mate
- Construction Electrician
- Interior Communication Electrician

ELECTRONICS MECHANIC

Title: ELECTRONICS MECHANIC

Civilian D.O.T. No. 828.281

Occupation: The **Electronics Mechanic** installs, maintains, and repairs electronic equipment. He calibrates electronic testing instruments.

Related Military Occupations:

Air Force	Avionic Inertial and Radar Navigation Systems Specialist
Army	Calibration Specialist
Coast Guard	Electronics Technician
Marine Corps	Electronic Calibration Technician
Navy	Ocean Systems Technician

Composite Service Job Statement: In the Armed Services, the **Electronics Mechanic** maintains a wide variety of electrical/electronic equipment. Persons in this field also test faulty equipment to locate defects and align and adjust equipment as required. They install new equipment in military facilities and in aircraft and missiles.

Related Occupations: (Civilian)

- Electronics Technician
- Communication Technician
- Field Service Mechanic

Title: AVIONIC INERTIAL AND RADAR NAVIGATION SYSTEMS SPECIALIST

Service: AIR FORCE

AFSC/MOS Rating: 32834

Occupation: The **Avionic Inertial and Radar Navigation Systems Specialist** repairs and adjusts radar equipment and associated computer systems. These include doppler radar, general purpose digital computers, and associated airborne integrated radar data systems.

Interests & Qualifications: It is desirable that the **Avionic Inertial and Radar Navigation Systems Specialist** complete high school. School courses in physics and math are helpful. You must score Electronic 80 on the Armed Services Vocational Aptitude Battery. You must have normal color vision and be a U.S. citizen. You must be able to pass a security check.

This specialty is open to women.

Training & Skills: To enter this field, you must complete the Avionic Inertial and Radar Navigation Systems Specialist course (35 weeks) at Keesler Air Force Base, Biloxi, Mississippi. Training includes instruction in the repair, tuning, testing and adjustment of inertial and radar equipment. It also covers the development and application of electronic principles, computer principles, circuit analysis and system testing.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio Repairman
- Radio Mechanic
- Electronic Mechanic

Title: CALIBRATION SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 35H

Occupation: A **Calibration Specialist** performs linear measurements, adjusts standards for accuracy, records data, and makes minor repairs to testing and measuring equipment.

Interests & Qualifications: A **Calibration Specialist** needs mechanical skill and skill with numbers. Also important is ability to reason well and solve problems. High school or trade school courses in basic electricity or electronics (radio, TV) or having worked with electrical equipment is helpful.

Training & Skills: Those entering this field are taught to run, maintain and repair electronic devices and equipment. They are also taught how to use and care for special tools and test equipment used. They learn to diagnose unusual causes of malfunctions or engine failure and how to check and adjust computer volts, amps, and resistance factors. They also learn how to assemble and disassemble in order to replace parts.

Related Occupations: (Army)

- Electronic Instrument Repairman
- Avionics Mechanic

Title: ELECTRONICS TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: ET

Occupation: The **Electronics Technician** performs inspection and repair of sophisticated electronics equipment, radio receivers and transmitters, and sonar equipment.

Interests & Qualifications: Electronics Technicians should be interested in electronics. They should have an aptitude for fine, detailed, mechanical work and be above average in ability to solve math problems. School courses in electricity, physics, algebra, trigonometry, and shop are helpful. Also helpful is experience in any mechanical or electrical trade.

Training & Skills: Upon completion of recruit training, the **Electronics Technician** goes to a 17-30 week school at Coast Guard Training Center, Governor's Island, New York. He learns to maintain, repair, calibrate, tune, and adjust electronic systems for communication, detection, tracking, recognition, and identification; for aids to navigation; for electronic countermeasures; and, for radiac.

Related Occupations: (Coast Guard)

- Electrician's Mate
- Sonar Technician
- Fire Control Technician

Title: ELECTRONIC CALIBRATION TECHNICIAN

Service: MARINES

AFSC/MOS/Rating: 2872

Occupation: The **Electronic Calibration Technician** calibrates precision electronic, mechanical, dimensional and optical test instruments. He uses measurement standards having a high order of accuracy.

Interests & Qualifications: A secret security clearance is required.

This position is open to both men and women.

The **Electronic Calibration Technician** must be able to work very accurately with precise measuring equipment. Helpful high school courses include math and physics.

Training & Skills: Depending on his grade, the Technician must know the theory of the operation of various test instruments and be able to interpret test information relevant to them. He needs to be able to troubleshoot complex malfunctions necessary to bring test items within tolerances. He must be a graduate of a formal course in Mechanical Calibration.

In addition, he must be able to unpack delicate test instruments or prepare them for shipment as well as possibly make minor repairs.

Related Occupations: (Marines)

- Radio Relay Repairman
- Telephone-Teletype Technician

Title: OCEAN SYSTEMS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: OT

Occupation: An **Ocean Systems Technician** operates and maintains electronic equipment for oceanographic studies. He reports and analyzes data.

Interests & Qualifications: An **Ocean Systems Technician** should have normal hearing, vision and color perception. He must be able to work with numbers, perform detailed work, and get along well with others. High school courses in algebra, physics and electricity are helpful. Experience in electronics trades is valuable.

Training & Skills: An **Ocean Systems Technician** learns to use hand tools and electronics test equipment. He studies basic electricity, underwater sound, and the properties of water. An **Ocean Systems Technician** learns his job through on-the-job training, the study of special manuals, or by attending a Navy school.

Ocean Systems Technicians may be stationed aboard ship or at shore stations.

Related Occupations: (Civilian)

- Radio Operator
- Electronics Technician
- Electrician

ELECTRONIC TECHNICIAN (EDP)

Title: ELECTRONIC TECHNICIAN (EDP)

Civilian D.O.T. No. 003.081

Occupation: The **Electronic Technician (EDP)** tests and repairs electronic components on automated data processing machines. He makes routine service calls and performs preventive maintenance.

Related Military Occupations:

Air Force	Integrated Avionics Component Specialist
Army	ADP Systems Repairman
Marine Corps	Digital Data Systems Technician
Navy	Data Systems Technician

Composite Service Job Statement: In the Armed Services, the **ELECTRONIC TECHNICIAN (EDP)** performs maintenance and repair of automatic-data systems. He conducts tests to determine causes for malfunctions. He repairs and replaces worn or faulty circuitry. He recommends changes in equipment to increase power effectiveness and output of information.

Related Occupations: (Civilian)

- Computer Lab Technician
- Electric Lab Technician
- Electronic Communication Technician

Title: INTEGRATED AVIONICS COMPONENT SPECIALIST

Service: AIR FORCE

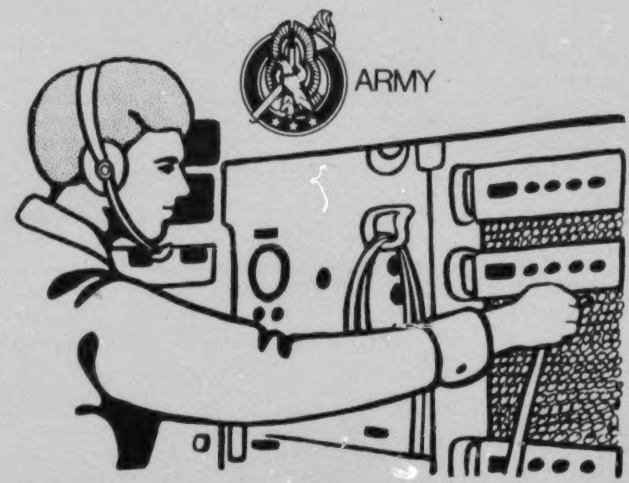
AFSC/MOS/Rating: 32631

Occupation: An **Integrated Avionics Component Specialist** works on avionic components. He repairs, aligns, and modifies various parts. He maintains digital computer systems, communication and navigation systems and flight control systems.

Interests & Qualifications: It is desirable that an **Integrated Avionics Component Specialist** complete high school. School courses in algebra, geometry, and physics are helpful. You must have a score of Electronic 80 on the Armed Services Vocational Aptitude Battery. You must have normal color vision.

This Air Force specialty is open to women.

Training & Skills: An Integrated Avionics Component Specialist course (26 weeks) is available at Lowry Air Force Base, Denver, Colorado. This course includes instruction on assembly and disassembly of various avionic systems and methods of repair and inspection to isolate malfunctions. The use of test consoles and measuring equipment such as oscilloscopes is taught as well as the reading of blueprints and schematic diagrams.



(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Electronic Mechanic
- Tester, Systems

Title: ADP SYSTEMS REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 34D

Occupation: ADP (Automatic Data Processing) Systems Repairman repairs and maintains data processing equipment. This includes console, control panels, memory devices, auxiliary units and subscribed terminal devices.

Interests & Qualifications: An **ADP Systems Repairman** must have mechanical skills. High school courses in typing and other business courses and having worked in an office will be helpful. Also important are a good memory, attention to detail, skill in reading and following directions and ability to work well with the hands.

Training & Skills: Those entering this field are taught how to use keypunch, tape and verifying machines. Along with fundamentals of sorters, collators, interpreters and reproducers, repairmen are taught to read and follow diagrams, how to take apart and put together equipment. They are taught to identify the characteristics of tools and how to perform tests on equipment.

Related Occupations: (Army)

- Tabulating Equipment Repairman
- IBM 300 Repairman

Title: DIGITAL DATA SYSTEMS TECHNICIAN

Service: MARINES

AFSC/MOS/Rating: 5982

Occupation: The **Digital Data Systems Technician** inspects and tests electronic digital data equipment. He cleans, lubricates and services it. He uses special tools and may do magnetic recording tape quality tests.

Interests & Qualifications: The **Digital Data Systems Technician** should enjoy working with a variety of electric and electronic equipment. He must be able to work accurately with complex measuring equipment and instruments. Helpful high school courses include math and physics as well as electric and machine shop. Experience working with computers would be helpful.

Training & Skills: Depending on his grade, the **Digital Data Systems Technician** must know the general theory of AC and DC electricity, motors and solid state devices. He must know the basic theory of digital computers and computer programming. A 12-week Basic Electronics Course is available at Marine Corps Base, 29 Palms, California. This course does not give the MOS qualification. Other formal school courses are required in order to attain this MOS.

Related Occupations: (Marines)

- Electronic Technician
- Tactical Data Systems Technician

Title: DATA SYSTEMS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: DS

Occupation: A **Data Systems Technician** maintains Navy computer systems. He operates electronic test equipment. He establishes safety rules in dealing with electrical equipment.

Interests & Qualifications: A **Data Systems Technician** should have electrical and mechanical skill. He should be above average in math. High school courses in physics, algebra, trigonometry, and shop are helpful. Electric or electronic experience is valuable.

Training & Skills: A **Data Systems Technician** learns to use hand tools and test equipment. He is taught to maintain electronic digital systems through on-the-job experience, the study of manuals, or by attending a Navy school.

A **Data Systems Technician** may work aboard ship or at shore stations.

Related Occupations: (Civilian)

- Computer Repairman
- Data Processing Technician
- Test Equipment Repairman

ELECTRONICS TECHNICIAN (GENERAL)

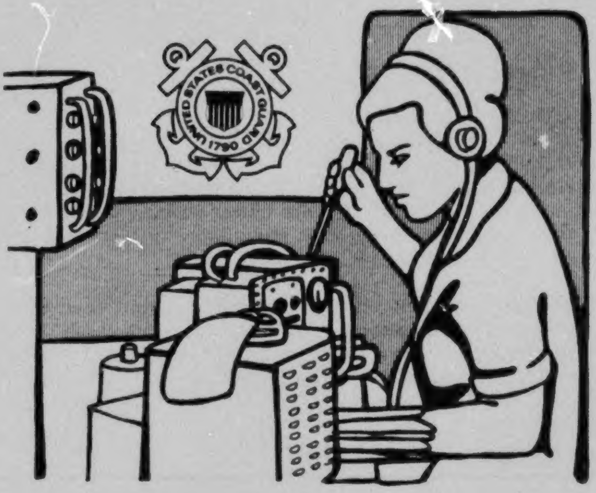
Title: ELECTRONICS TECHNICIAN (GENERAL)

Civilian D.O.T. No. 726.281

Occupation: The **Electronics Technician (General)** performs electronic repairs on a wide variety of electronic units and control production machines. He uses test instruments such as ocsilloscopes and voltmeters.

Related Military Occupations:

Air Force	Integrated Avionic Systems Specialist
Army	Multichannel Communications Equipment Repairman
Coast Guard	Electronics Technician
Marine Corps	Aircraft Avionics Repair Technician
Navy	Electronics Technician



Composite Service Job Statement: In the Armed Services, the **Electronics Technician (General)** repairs electronic equipment such as computers, radar systems, and transmitters following technical specifications. He tests equipment and applies his knowledge of electronic units to diagnose malfunctions. He replaces defective parts and wiring, and adjusts mechanical parts according to schematic diagrams.

Related Occupations: (Civilian)

- Electrical Engineer
- Radio Engineer

Title: INTEGRATED AVIONIC SYSTEMS SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 32632

Occupation: The **Integrated Avionic Systems Specialist** works on integrated avionic systems. He interprets television and cathode rays to detect malfunctions and insures the proper function of avionic instruments.

Interests & Qualifications: It is desirable that an **Integrated Avionic Systems Specialist** complete high school. School courses in algebra, geometry and physics are helpful. You must have a score of Electronic 80 on the Armed Services Vocational Aptitude Battery. You must have normal color vision.

This Air Force specialty is open to women.

Training & Skills: An Integrated Avionic Systems Specialist Course (18-20 weeks) is available at Lowry Air Force Base, Denver, Colorado or at Keesler Air Force Base, Biloxi, Mississippi. Training includes learning to analyze avionic component functions and how to troubleshoot malfunctions. Also taught is the interpretation of various radar communication systems and their proper functioning as part of the entire system.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Electronic Mechanic
- Tester, Systems

Title: MULTICHANNEL COMMUNICATIONS EQUIPMENT REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 31L

Occupation: A **Multichannel Communications Equipment Repairman** performs general maintenance on radio relay equipment. This includes radio sets, carrier terminals, combiners and repeaters.

Interests & Qualifications: A **Multichannel Communications Equipment Repairman** needs to have mechanical skills. He also needs to work well with his hands and be able to reason and solve problems. High school courses in electricity, physics, math, mechanical drawing and drafting are helpful as well as experience working with electricians, telephone linemen, or building "HAM" radios.

Training & Skills: Those entering this field start at simpler jobs and advance as they show skill and interest. Much of the training is given on-the-job. Repairmen learn to use test equipment to check for defective circuitry, learn to adjust and repair components and learn to make simple parts to replace worn units. Circuit diagram interpretation is also learned along with the functions of the radio relay equipment to which they are assigned.

Related Occupations: (Army)

- Multichannel Communications Equipment Operator
- Field Radio Repairman

Title: ELECTRONICS TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: ET

Occupation: The **Electronics Technician** performs inspection and repair of sophisticated electronics equipment, radio receivers and transmitters, and sonar equipment.

Interests & Qualifications: Electronics Technicians should be interested in electronics. They should have an aptitude for fine, detailed, mechanical work and be above average in ability to solve math problems. School courses in electricity, physics, algebra, trigonometry, and shop are helpful. Also helpful is experience in any mechanical or electrical trade.

Training & Skills: Upon completion of recruit training, the **Electronics Technician** goes to a 17-30 week school at Coast Guard Training Center, Governor's Island, New York. He learns to maintain, repair, calibrate, tune, and adjust electronic systems for communication, detection, tracking, recognition, and identification; for aids to navigation; for electronic countermeasures; and, for radiac.

Related Occupations: (Coast Guard)

- Electrician's Mate
- Sonar Technician
- Fire Control Technician

Title: AIRCRAFT AVIONICS REPAIR TECHNICIANS

Service: MARINES

AFSC/MOS/Rating: 6621

Occupation: The **Aircraft Avionics Repair Technician** performs maintenance work on aircraft communication, navigation or countermeasure systems. He installs, repairs and troubleshoots devices to locate and correct malfunctions.

Interests & Qualifications: The **Aircraft Avionics Repair Technician** must have a secret security clearance. Good physical qualifications such as manual dexterity, good near vision and good hearing are important. Helpful high school courses include math, physics and mechanical drawing and drafting.

Training & Skills: The **Aircraft Avionics Repair Technician** must satisfactorily complete the avionics repair course at NATTC, Memphis, Tennessee. In this training, he will learn the basics of aircraft communications support. He will learn methods of assembly and disassembly and how to use test equipment to determine maximum operating efficiency.

Related Occupations: (Marines)

- Radar Technician
- Electronics Maintenance

Title: ELECTRONICS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: ET

Occupation: An **Electronics Technician** maintains and repairs all electronics equipment on ships and stations. He uses tools and testing devices to calibrate, tune and adjust equipment.

Interests & Qualifications: An **Electronics Technician** needs electrical and mechanical skill. He should be able to think clearly and deal with practical math. High school courses in radio, electricity, physics, algebra, trigonometry, and shop are helpful. Experience in amateur radio, mechanical trades or electrical trades is valuable.

Training & Skills: An **Electronics Technician** learns to use electronic test equipment. He is taught to use hand tools, to repair and maintain electrical equipment and to use emergency and portable power supply equipment. Training for this job is provided at a Navy school.

An **Electronics Technician** may serve aboard ship or at shore stations. He may also be assigned to flight duty.

Related Occupations: (Civilian)

- Electrical Repairman
- Radio And TV Repairman
- Electronics Foreman

ELECTRONICS TECHNICIAN (MISSILES)

Title: ELECTRONICS TECHNICIAN (MISSILES)

Civilian D.O.T. No. 726.281

Occupation: The **Electronics Technician (Missiles)** tests and repairs electronic components of missile systems. He also adjusts circuit variables and aligns control components according to calibration charts and graphs.

Related Military Occupations:

Air Force	Missile Systems Analyst Specialist
Army	Hawk Missile Crewman
Coast Guard	Fire Control Technician
Marine Corps	Hawk Missile System Operator
Navy	Fire Control Technician

Composite Service Job Statement: In the Armed Services, the **Electronics Technician (Missiles)** repairs and maintains missile and related systems. He tests electronic circuits and analyzes data to isolate malfunctions and repair equipment.

Related Occupations: (Civilian)

- Electronics Mechanic
- TV Serviceman
- Radio Equipment Assembler

Title: MISSILE SYSTEMS ANALYST SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 31630

Occupation: A **Missile Systems Analyst Specialist** monitors and operates consoles, faulty display panels, and check out equipment. Duties include assembling, repair, maintenance, modification, inspection and servicing missile, missile subsystems, and missile electronic systems.

Interests & Qualifications: It is desirable that a **Missile Systems Analyst Specialist** complete high school. School courses in math and physics are most helpful. You must meet basic physical qualifications, have no record of emotional instability, and have normal color vision. You must have a score of Electronic 80 on the Armed Services Vocational Aptitude Battery.

This specialty is open to women.

Training & Skills: It is desirable that you complete the Missile Systems Analyst Specialist course (24-30 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Skills taught include monitoring and operating consoles and checking out equipment. The **Missile Systems Analyst Specialist** learns to work on launch site electronic equipment, on missile transportation functions and on aerospace ground equipment.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Electronic Mechanic

Title: HAWK MISSILE CREWMAN

Service: ARMY

AFSC/MOS/Rating: 16D

Occupation: A **Hawk Missile Crewman** serves as a member of an air defense fire-control platoon. He may fire missiles or he may work as a radar or tracking operator.

Interests & Qualifications: A **Hawk Missile Crewman** must be interested in mechanical and electrical work and have skill in math. Ability to reason well, solve problems, and make decisions is needed. High school courses in math, mechanics, electronics or other shop crafts are helpful, as is any experience working in the mechanical field.

Training & Skills: A **Hawk Missile Crewman** learns to load and unload missiles, inspect them for dents and moisture and missing parts. He learns how to perform pre-energizing, energizing and de-energizing procedures on generators, launcher and missile test shops. He learns to perform checkout of missiles before, during and after flight and keeps track of voltages, high pressure air and air lines at all times. Storage methods are also taught.

Related Occupations: (Army)

- Hawk Fire Control Crewman
- Hercules Missile Crewman

Title: FIRE CONTROL TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: FT

Occupation: The **Fire Control Technician** maintains and repairs electronic and mechanical equipment of weapon fire control systems. He uses oscilloscopes, megohmmeters and various other test equipment.

Interests & Qualifications: Fire Control Technicians should have an aptitude for detailed mechanical work and be interested in electronics. They should be above average in their ability to solve math problems. School courses in electricity, algebra, physics, trigonometry, and shop are helpful. Also helpful is experience in the mechanical or electrical trades.

Training & Skills: After recruit training, the **Fire Control Technician** takes 31 weeks of schooling at the Naval Training Center, Great Lakes, Illinois. **Fire Control Technicians** learn to maintain and repair weapon control systems; make electronic and mechanical checks; and operate, test, lubricate, inspect, clean, adjust, align, and calibrate weapon control systems components, radars, and sound powered telephone systems.

Related Occupations: (Coast Guard)

- Radarman
- Gunner's Mate

Title: HAWK MISSILE SYSTEM OPERATOR

Service: MARINES

AFSC/MOS/Rating: 7222

Occupation: The **Hawk Missile System Operator** performs duties relating to the operation of the HAWK surface to air missile systems. He participates in the locating, operation and alignment of the HAWK equipment.

Interests & Qualifications: A confidential security clearance will be required.

The **HAWK Missile System Operator** must be able to work very carefully and accurately with complex equipment.

Helpful high school courses include basic physics, chemistry, and math. Electric and machine shop might also be useful.

Training & Skills: Depending on his grade, the **HAWK Missile System Operator** must be able to assist with putting HAWK equipment in place and be able to adjust, operate and align the equipment. He must know how the integrated Marine Corps Air Command and Control System works. He must satisfactorily complete the HAWK Missile Fire Control Crewman Course at the U.S. Army Defense School, Ft. Bliss, Texas.

Related Occupations: (Marines)

Title: FIRE CONTROL TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: FT

Occupation: A **Fire Control Technician** maintains fire control (weapons) radars and direction systems. He works with circuit diagrams and blueprints to keep these systems working properly.

Interests & Qualifications: A **Fire Control Technician** needs electrical and mechanical skill. He should be able to do detailed mechanical work. High school courses in radio, electricity, physics, algebra, trigonometry, and shop are helpful. Experience in amateur radio, mechanical or electrical trades are valuable.

Training & Skills: A **Fire Control Technician** learns basic mechanics and electronics. He studies surface, anti-aircraft, submarine and anti-submarine fire control sytems. He is trained by on-the-job experience, the study of special manuals, or by attending a Navy school.

A **Fire Control Technician** may be stationed at sea or ashore.

Related Occupations: (Civilian)

- Aircraft Instrument Worker
- Radar Technician
- Electronics Technician

ENGINEERING EQUIPMENT MECHANIC

Title: ENGINEERING EQUIPMENT MECHANIC

Civilian D.O.T. No. 620.281

Occupation: The **Engineering Equipment Mechnaic** performs preventive maintenance and repairs engineering equipment. He replaces worn parts using hand tools and welding equipment to perform his work.

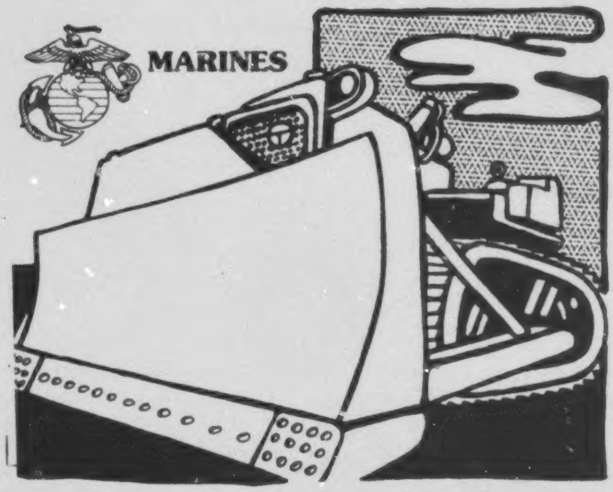
Related Military Occupations:

Air Force	Aerospace Ground Equipment Repairman
Army	Engineer Equipment Repairman
Coast Guard	Machinery Technician
Marine Corps	Engineer Equipment Mechanic
Navy	Construction Mechanic

Composite Service Job Statement: In the Armed Services, the **Engineering Equipment Mechanic** maintains and repairs heavy equipment such as bulldozers, power shovels, cranes, skids, and wheel mounted vehicles. Personnel in this field also may also disassemble, repair, and adjust various machine components or assemblies.

Related Occupations: (Civilian)

- Automobile Mechanic
- Heavy Equipment Mechanic
- Motor and Chassis Inspector



Title: AEROSPACE GROUND EQUIPMENT REPAIRMAN

Service: AIR FORCE

AFSC/MOS/Rating: 42133

Occupation: An **Aerospace Ground Equipment Repairman** works on aerospace ground equipment and aircraft systems. He makes inspections for malfunctions and repairs and maintains motors and small gas turbine engines.

Interests & Qualifications: It is desirable that an **Aerospace Ground Equipment Repairman** complete high school. You must have a score of Electronic 40 or Mechanical 40 on the Armed Services Vocational Aptitude Battery. You must have normal color vision.

This Air Force specialty is open to women.

Training & Skills: An Aerospace Ground Equipment Repairman course (18 weeks) is available at Chanute Air Force Base, Rantoul, Illinois. Training includes learning the operation of aerospace ground equipment and methods of assembly and disassembly to make repairs. Blueprint and diagram interpretation is also taught as well as the use of test equipment and tools to perform preventive maintenance.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Gasoline Engine Repairman (Any Industry)
- Electrician, Airplane

Title: ENGINEER EQUIPMENT REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 62B

Occupation: An **Engineer Equipment Repairman** cleans and services batteries and major parts of wheel and track vehicles. He lubricates, drains and flushes radiators and tightens bolts, clamps and connections.

Interests & Qualifications: An **Engineer Equipment Repairman** should have mechanical skill and ability to reason well. It is important to have good eye-hand coordination, to work well with the hands and to have good hearing and vision. High school courses in math, physics, auto mechanics, electricity or other shop courses are helpful. Also helpful is work in auto or farm machinery repair and welding and sheetmetal.

Training & Skills: Those entering this field are taught the basics of math, physics and electrical and fuel systems. Also taught is the use of tools, gauges, testing equipment, rigging operations, driving techniques and safety rules. They also learn the name, location and characteristics of weapons, machinery and parts.

Related Occupations: (Army)

- Engineer Missile Equipment Specialist
- Automotive Repairman

Title: MACHINERY TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: MK

Occupation: The **Machinery Technician** operates, maintains, and repairs internal combustion engines. He also works on propulsion boilers, steam turbines and power transmission equipment.

Interests & Qualifications: A **Machinery Technician** should be average or above in math. He should have an aptitude for mechanics. Helpful school studies include machine shop, electricity, and various math courses. Experience as a mechanic, machinist, or power plant operator is very helpful.

Training & Skills: After recruit training, the **Machinery Technician** may attend a 16-week school at the coast guard reserve training center, Yorktown, Virginia. Or, he may train on-the-job or through the study of manuals and publications.

The **Machinery Technician** may learn to maintain and repair a number of related machines and engines including air-conditioning equipment, cranes, winches, and elevators.

Related Occupations: (Coast Guard)

- Damage Controlman
- Electrician's Mate

Title: ENGINEER EQUIPMENT MECHANIC

Service: MARINES

AFSC/MOS/Rating: 1341

Occupation: The **Engineer Equipment Mechanic** services and repairs tractors, power shovels, and road machinery and other equipment. He tests and makes reports as well.

Interests & Qualifications: Engineer Equipment Mechanic is a position available to men and women.

The **Engineer Equipment Mechanic** enjoys working with his hands and with machines. He runs large machines and uses small measuring instruments.

Training & Skills: The **Engineer Equipment Mechanic** needs to be able to start, operate, and service all kinds of engineer equipment. He must know the safety rules around engineer equipment, needs to know the names and types of fuels and lubricants and needs to know how to use precise measuring instruments. A 10-week training program for this position is available at Camp Lejeune, North Carolina.

Related Occupations: (Marines)

- Engineer Equipment Operator
- Automotive Mechanic

Title: CONSTRUCTION MECHANIC

Service: NAVY

AFSC/MOS/Rating: CM

Occupation: A **Construction Mechanic** maintains and repairs heavy construction equipment and automotive engines. He operates garage equipment used for moving and testing auto machinery.

Interests & Qualifications: A **Construction Mechanic** should be physically strong and coordinated. He needs mechanical skill. High school courses in electrical shop, machine shop, shop mathematics, and physics are helpful. Work experience as a machinist, millwright, or auto mechanic is valuable.

Training & Skills: A **Construction Mechanic** learns to operate and repair heavy equipment. He is taught through on-the-job experience, the study of training manuals, or by attending a Navy school.

A **Construction Mechanic** may be assigned to naval shore activities and to mobile construction battalions.

Related Occupations: (Civilian)

- Automotive Mechanic
- Diesel Engine Mechanic
- Automotive Serviceman

FIREMAN

Title: FIREMAN

Civilian D.O.T. No. 373.884

Occupation: The **Fireman** assists in the fighting of fires. He may drive firetrucks and is skilled in the use of fire-fighting and rescue equipment. He is trained in rescue procedures and safety measures.

Related Military Occupations:

Air Force	Fire Protection Specialist
Army	Firefighter
Coast Guard	Damage Controlman
Navy	Hull Maintenance Technician

Composite Service Job Statement: In the Armed Services, the **Fireman** controls and extinguishes fires, protects life and property, and maintains equipment. He answers fire calls and determines what method will best contain the fire and cause the least amount of damage. He rescues people and administers first aid and artificial respiration.

Related Occupations: (Civilian)

- Fire Chief
- Fire Inspector

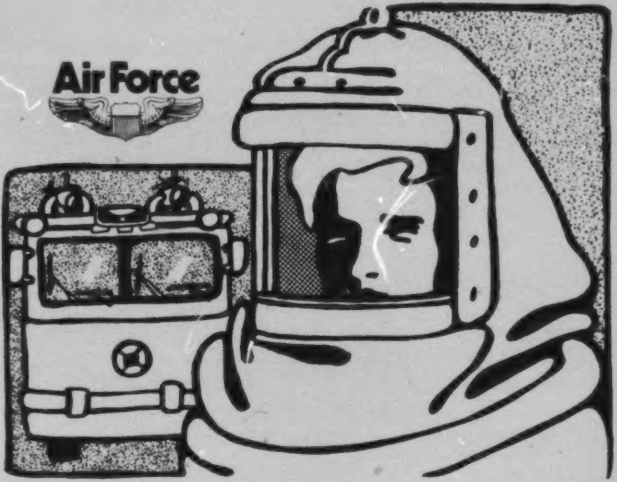
Title: FIRE PROTECTION SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 57130

Occupations: A **Fire Protection Specialist** is trained to put out both aircraft and property fires. He locates fires in airplanes, missiles and buildings. He also operates all fire fighting equipment.

Interests & Qualifications: It is desirable that a **Fire Protection Specialist** complete high school. School courses in general science, chemistry and math are helpful. You must have a score of General 40 on the Armed Services Vocational Aptitude Battery. You must have normal color vision and have a vehicle operator license. Minimum height requirement is 5'6" and minimum weight is 140 pounds. This specialty is open to women.



Training & Skills: To be a **Fire Protection Specialist,** it is desirable that you complete the Fire Protection Specialist course (8 weeks) at Chanute Air Force Base, Rantoul, Illinois. The **Fire Protection Specialist** is taught to rescue people, put out fires, prevent fires and operate fire fighting equipment. He learns to administer first aid and operate fire alarm equipment.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Fire Fighter, Crash
- Fire Equipment Man
- Fire Extinguisher Serviceman

Title: FIREFIGHTER

Service: ARMY

AFSC/MOS/Rating: 51M

Occupation: A **Firefighter** operates the pump, hoses, enters wrecked burning structures, gives first aid, and attempts to save property and lives. He also gives fire protection information.

Interests & Qualifications: A **Firefighter** must have good eye-hand coordination, be able to work in high or dangerous places. He must be able to work and think under pressure. Also important are good hearing and near vision and normal color vision. Very helpful preparation for this field would be boy scout training or volunteer firefighting experience.

Training & Skills: The **Firefighter** learns how to extinguish different types of fires such as forest fires and those involving inflammable liquids. He is taught to use demolitions to prevent the spread of fires and how to use crowbars and axes to gain access to burning buildings. He is taught to drive a firetruck, operate pumps, and how to perform rescue operations from helicopters and ladders. Also taught are methods of artificial respiration.

Related Occupations: (Army)

Title: DAMAGE CONTROLMAN

Service: COAST GUARD

AFSC/MOS/Rating: DC

Occupation: The **Damage Controlman** installs and repairs pipe systems and fixtures for water, gas, steam, compressed air and waste disposal systems on all Coast Guard units. His duties also include firefighting, welding, and woodworking.

Interests & Qualifications: A **Damage Controlman** should be average or above in general learning ability. He should have mechanical aptitude. He should also be self-reliant, creative, and have poise under pressure. School courses in carpentry, metal working, machining, practical mathematics and chemistry are useful. Experience as a volunteer or full time fireman is also helpful.

Training & Skills: Upon completion of recruit training, the **Damage Controlman** may attend a 15-week school at Coast Guard Training Center, Governor's Island, New York. Or, he may receive on-the-job training and study course manuals and publications. The **Damage Controlman** may be asked to instruct and handle damage control parites. He is also responsible for the upkeep and repair of damage control equipment, such as dewatering pumps, shoring gear and firefighting equipment.

Related Occupations: (Coast Guard)

- Machinery Technician

Title: HULL MAINTENANCE TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: HT

Occupation: A **Hull Maintenance Technician** installs and repairs ventilation and drainage systems. He repairs decks, piping, and plumbing systems. He operates and maintains fire-fighting equipment.

Interests & Qualifications: A **Hull Maintenance Technician** should be self-reliant and able to remain calm in time of danger. He needs mechanical skill and arithmetic ability. High school courses in machine shop, math, physics, chemistry, and geometry are helpful. Experience in plumbing, welding, firefighting or carpentry is valuable.

Training & Skills: A **Hull Maintenance Technician** learns welding, carpentry, metal testing, pipefitting, plumbing, woodworking and firefighting. He is taught to identify metals, to detect nuclear, biological and chemical contamination and to work with metal working tools. He learns through on-the-the-job training, the study of special manuals, or by attending a Navy school. He may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Firefighter
- Metal Structure Repairman
- Metal Worker

FIRST AID ATTENDANT

Title: FIRST AID ATTENDANT

Civilian D.O.T. No. 354.878

Occupation: A **First Aid Attendant** helps doctors duties. He takes care of patients, checks temperatures, blood pressure, and escorts them for treatment. He serves meals and performs other related services.

Related Military Occupations:

Air Force	Medical Service Specialist
Army	Medical Specialist
Coast Guard	Hospital Corpsman
Navy	Hospital Corpsman

Composite Service Job Statement: In the Armed Services, the **First Aid Attendant** renders first aid and subsequent treatment to injured or ill personnel. He sterilizes, disinfects, anoints, and bandages minor cuts and burns. He applies artificial respiration or administers oxygen in case of suffocation or asphyxiation. He may administer medication and aid the physician in setting and dressing broken bones. During emergency operations, he may perform minor surgery and administer injections.

Related Occupations: (Civilian)

- Ambulance Attendant
- Home Attendant
- Midwife
- Morgue Man
- Orderly

Title: MEDICAL SERVICE SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 90230

Occupation: A **Medical Service Specialist** helps doctors and nurses plan for and give medical care. Providing for the comfort of patients is a major responsibility of the **Medical Service Specialist.**

Interests & Qualifications: It is desirable that a **Medical Service Specialist** complete high school. School courses in anatomy, biology, chemistry, hygiene, psychology and general science are very helpful. You must have a score of General 60 on the Armed Services Vocational Aptitude Battery. You must have normal color vision.

This specialty is open to women.

Training & Skills: To be a **Medical Service Specialist,** you must complete the Medical Service Specialist course (9 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Skills learned by those entering this field include how to treat patients in nursing units, dispensaries, and clinics; and how to assist professional personnel in nursing care.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Medical Assistant
- Nurse Aid
- Orderly and Attendant

Title: MEDICAL SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 91B

Occupation: A **Medical Specialist** performs basic medical care and treatment. He helps set-up and move field medical facilities. He also drives the ambulance.

Interests & Qualifications: A **Medical Specialist** must be stable, dependable, and be able to work closely with others. High school courses in first aid, hygiene, chemistry or biology are helpful. Work experience as a doctor's assistant or nurse's aid is also advantageous.

Training & Skills: While the Army provides all the training needed in this field, any previous knowledge about medical care will be helpful. Among the skills taught by the Army are emergency first aid techniques, how to measure and record blood pressure, how to take temperatures and pulse rates and how to clean and dress minor wounds.

Related Occupations: (Army)

- Clinical Specialist
- Operating Room Specialist

Title: HOSPITAL CORPSMAN

Service: COAST GUARD

AFSC/MOS/Rating: HM

Occupation: The **Hospital Corpsman** is responsible for the health of his shipmates. He also plays an important role in life saving. He works with human anatomy and physiology, chemistry, preventive medicine and medical administration.

Interests & Qualifications: Hospital Corpsmen should have pleasing personalities and a desire to help those who need medical attention. They should be average or above in learning ability and be able to solve mathematical problems. School courses in hygiene, biology, physiology, chemistry, typewriting and public speaking are helpful. Also helpful is experience in first aid groups such as the Red Cross and Boy Scouts.

Training & Skills: After completion of recruit training, **Hospital Corpsmen** take 16 weeks of instruction and practical application at the Coast Guard Academy, New London, Connecticut. The **Hospital Corpsman** is trained to give first aid to the injured. He must recognize and react to asphyxia, shock, sprains, dislocations, burns, hemorrhage, fractures, and wounds. He learns to apply bandages, dressings, splints, and tourniquets.

Related Occupations: (Coast Guard)

- Dental Technician

Title: HOSPITAL CORPSMAN

Service: NAVY

AFSC/MOS/Rating: HM

Occupation: A **Hospital Corpsman** performs medical and clerical duties. He takes and develops x-rays, performs laboratory tests, fills prescriptions, and assists in hospital food service programs. He applies first aid as well.

Interests & Qualifications: A **Hospital Corpsman** should have a desire to help others and a friendly personality. He should have a practical knowledge of math. High school courses in health, biology, physiology, and typing are helpful. First aid or hospital experience is valuable.

Training & Skills: A **Hospital Corpsman** is trained in a Navy school. He learns first aid and minor surgery; laboratory procedures; basic anatomy; pharmacy; nursing; and dietetics.

A **Hospital Corpsman** may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Medical Technician
- Practical Nurse
- First Aid Attendant

GUARD

Title: GUARD

Civilian D.O.T. No. 372.868

Occupation: The **Guard** enforces rules and regulations according to set codes. He patrols areas for trespassers and guards restricted grounds against theft and property damage.

Related Military Occupations:

Air Force	Security Specialist
Army	Military Policeman
Coast Guard	Boatswain's Mate
Marine Corps	Military Policeman
Navy	Master-At-Arms

Composite Service Job Statement: In the Armed Services, the **Guard** stands watch at posted areas of military compounds and restricted areas. He checks passes and keeps tabs on visitors and authorized personnel who pass through. He keeps order to prevent disturbances and reports irregular activities or apprehends offenders. He may guard shipments of valuables between establishments.

Related Occupations: (Civilian)

- Body Guard
- Corrections Officer
- Guard Keeper, Gate

Title: SECURITY SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 81130

Occupation: A **Security Specialist** performs guard and patrol duties to protect personnel, property and facilities. He may be trained to work with dogs.

Interests & Qualifications: It is desirable that a **Security Specialist** complete high school. School courses in government and psychology are helpful. You must have a score of at least General 40 on the Armed Services Vocational Aptitude Battery. You must have good vision and be at least 5'6" and no more than 6'6", be 20 or older and have a valid state vehicle operators permit. You must never have been convicted by a civilian court (except for minor traffic violations) or served a sentence. You must be able to pass a reliability screening.

Training & Skills: A Security Specialist course (5 weeks) is offered at Lackland Air Force Base, San Antonio, Texas. For persons entering this field, training includes learning to operate electro/mechanical detection equipment such as television monitors. Other skills taught are how to use scopes and binoculars, how to operate armored cars, how to work with sentry dogs, how to control crowds, and how to care, clean and repair small arms.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Guard
- Guard, Sergeant

Title: MILITARY POLICEMAN

Service: ARMY

AFSC/MOS/Rating: 95B

Occupation: A **Military Policeman** enforces law and order. He controls traffic, stops riots, guards property and personnel. He may guard prisoners of war or control refugees. He makes arrests and files reports on his actions.

Interests & Qualifications: A **Military Policeman** must have normal vision and hearing. High school courses in psychology, sociology, and participation in cadet corps, athletics, and scouting are all helpful backgrounds. He must be emotionally stable and able to reason well. He must be able to make decisions under pressure.

Training & Skills: The Army provides all the training needed for this occupation. Men and women entering this field are taught the laws, how to apprehend, search and seize. They are also taught basic judo and unarmed defense, and how to stop riots and disturbances. They learn how to read and understand aerial, terrain and road maps. They are also instructed on how to provide security for VIP's, installations and other facilities.

Related Occupations: (Army)

- Assistant Special Agent
- Correctional Specialist

Title: BOATSWAIN'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: BM

Occupation: The **Boatswain's Mate** is the master seaman — A person skilled in all phases of seamanship and supervision of deck personnel. He acts as an officer in charge of patrol boats, tugs, small craft and small shore units.

Interests & Qualifications: Boatswain's Mates must be leaders. They must be physically strong with good hearing and vision. They should be above average in general learning ability and be able to work well with their hands. School courses in algebra, geometry, and shop are helpful. Previous experience handling small boats is also helpful.

Training & Skills: After recruit training, the **Boatswain's Mate** begins regular shipboard duties under the direction of experienced personnel. He also studies appropriate training manuals and publications.

The **Boatswain's Mate** learns to do all the tasks necessary for the operation of small boats, navigation, entering or leaving port, storing cargo, and handling ropes and lines.

Related Occupations: (Coast Guard)

- Quartermaster
- Gunner's Mate

Title: MILITARY POLICEMAN

Service: MARINES

AFSC/MOS/Rating: 5811

Occupation: The **Military Policeman** performs a number of law enforcement duties. Some of them involve either foot or car patrol. Others are controlling traffic or checking passes or interviewing witnesses or victims.

Interests & Qualifications: The **Military Policeman** must be at least 19 years old and be a high school graduate. The minimum height is 68 inches. He must have no convictions by civil or military courts (except minor violations). He should have no history of mental disorders. This specialty is open to women.

Training & Skills: Depending on his grade, the **Military Policeman** must know how to do first aid and know how to control crowds and traffic. He must be able to interview witnesses, victims and suspects. In training, he studies the techniques of corrections and law enforcement and learns the principles of security and polygraph operation. There is a basic 7-week course for this occupation at Ft. McClellan, Alabama. Once the 5811 MOS is attained, other career progression courses are available.

Related Occupations: (Marines)

- Accident Investigator
- Criminal Investigator

Title: MASTER-AT-ARMS

Service: NAVY

AFSC/MOS/Rating: MA

Occupation: The **Master-At-Arms** serves as a Navy policeman. He enforces the law, performs security duties, conducts investigations, and maintains traffic control. He trains others in police duties.

Interest & Qualifications: A **Master-At-Arms** must be a mature person, able to assume responsibility, and deal effectively with people. He must be able to express himself clearly. His vision and hearing must be good.

The **Master-At-Arms** must be mentally alert and physically strong. Experience in police work is helpful.

Training & Skills: A **Master-At-Arms** learns to use small arms, conduct security investigations, conduct searches, enforce traffic rules and give first aid. He is also taught to identify drugs and drug offenders. He collects and keeps evidence and prepares police reports. A **Master-At-Arms** receives on-the-job training. He also may attend a Navy school to learn his job.

A **Master-At-Arms** works aboard ships and at shore activities.

Related Occupations: (Civilian)

- Corrections Worker
- Security Guard
- Probation Officer

HYDRAULIC TESTER (AVIATION)

Title: HYDRAULIC TESTER (AVIATION)

Civilian D.O.T. No. 621.281

Occupation: The **Hydraulic Tester (Aviation)** tests and adjusts aircraft hydraulic units. He tests hydraulic systems for leaks and other possible defects.

Related Military Occupations:

Air Force	Aircrew Pneudraulic Repairman
Army	Aircraft Hydraulics Repairman
Coast Guard	Aviation Structural Mechanic
Marine Corps	A/C Hydraulic/Pneumatic Mechanic, General
Navy	Aviation Structural Mechanic

Composite Service Job Statement: In the Armed Services, the **Hydraulic Tester (Aviation)** repairs and maintains aircraft hydraulic systems insuring that they are free of leaks and other defects. He may install and test hydraulic units and systems components.

Related Occupations: (Civilian)

- Hydraulic Equipment Tester
- Hydraulic Serviceman

Related Occupations: (Civilian)

- Aircraft Mechanic, Heat and Vent
- Aircraft Mechanic, Plumbing and Hydraulic

Title: AIRCRAFT PNEUDRAULIC REPAIRMAN

Service: AIR FORCE

AFSC/MOS/Rating: 42132

Occupation: The Air Force **Aircraft Pneudraulic Repairman** installs, inspects, repairs and cleans hydraulic and pneumatic systems in aircraft and ground equipment. He keeps the equipment running by performing routine servicing.

Interests & Qualifications: It is desirable that an Air Force **Aircraft Pneudraulic Repairman** complete high school. School courses in shop are very useful. You must have a score of at least Mechanical or Electronic 40 on the Armed Services Vocational Aptitude Battery. Any past experience you have had working with hydraulic systems, heavy machinery or electricity will be of great use to you. This Air Force speciality is open to women.

Training & Skills: To be an **Aircraft Pneudraulic Repairman,** you must complete the Aircraft Pneudraulic Repairman course (12 weeks) at Chanute Air Force Base, Rantoul, Illinois. This training course will teach you to perform preventive maintenance on aircraft and ground equipment. You will study about hydraulic and pneumatic systems.

(These Air Force training requirements are subject to change.)

Title: AIRCRAFT HYDRAULICS REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 68H

Occupation: An **Aircraft Hydraulics Repairman** inspects, checks for defects, maintains and repairs aircraft hydraulic/pneumatic systems. He also cares for and repairs parts and tools.

Interests & Qualifications: An **Aircraft Hydraulics Repairman** needs mechanical skills to maintain and repair equipment. Helpful courses are auto mechanics, electricity, sheet metal working and other shop subjects. Also helpful is work in an engine repair or sheet metal shop.

Training & Skills: Those entering this field are taught the use and care of aircraft handtools and instruments. They learn safety rules, fueling, lubricating, and similar service procedures. Much of the training is given on-the-job under skilled technicians and aircraft manufacturer's representatives.

Related Occupations: (Army)

- Airframe Repairman
- Aircraft Turbine Engine Repairman

Title: AVIATION STRUCTURAL MECHANIC

Service: COAST GUARD

AFSC/MOS/Rating: AM

Occupation: The **Aviation Structural Mechanic** maintains and repairs aircraft surfaces, airframe structures, landing gear, central surfaces, and all attending mechanisms.

Interests & Qualifications: Aviation Structural Mechanics should be average or above in general learning ability and have a definite aptitude for mechanical work. Desirable school courses are shopwork in metal and woodworking, algebra and geometry. Experience in automotive body work and general mechanical work is extremely valuable.

Training & Skills: Upon completion of recruit training, further training for the **Aviation Structural Mechanic** begins with 23 weeks of training at Naval Air Technical Training Center, Memphis, Tennessee. Among other things, an **Aviation Structural Mechanic** learns to work with all kinds of metals, alloys, plastics, and fabrics. He also learns basic aerodynamics, welding, fabrication of sheet metal, and how to operate basic machine shop equipment.

Related Occupations: (Coast Guard)

- Aviation Machinist Mate
- Damage Controlman

Title: A/C HYDRAULIC/PNEUMATIC MECHANIC, GENERAL

Service: MARINES

AFSC/MOS/Rating: 6052

Occupation: The **A/C Hydraulic/Pneumatic Mechanic, General** inspects and repairs the hydraulic/pneumatic components of aircraft. He uses a variety of tools and test equipment and works frequently from specifications.

Interests & Qualifications: Because he works with many code color charts, this mechanic must have normal color perception. He must be able to understand blueprints and diagrams of various kinds. Also he must be able to read technical publications.

He should enjoy performing complex mechanical duties.

Training & Skills: Depending on his grade, the mechanic must be able to read schematic diagrams and know about fluids and gases and their use in hydraulic/pneumatic systems. He must be able to operate and maintain aircraft ground support equipment and be familiar with cockpit controls and how to make replacements when necessary. He must be a graduate of an appropriate formal technical school.

Related Occupations: (Marines)

- Aircraft Structure Mechanic
- A/C Safety Equipment Mechanic

Title: AVIATION STRUCTURAL MECHANIC

Service: NAVY

AFSC/MOS/Rating: AM

Occupation: An **Aviation Structural Mechanic** maintains and repairs aircraft parts and equipment. He builds replacement parts for aircraft. He works with riveting and welding tools.

Interests & Qualifications: An **Aviation Structural Mechanic** needs mechanical skill. He should like to build and repair things. High school courses in metal and woodworking shop, algebra, plane geometry, and physics are helpful. Work experience in aircraft manufacturing, auto body work, and mechanical work is valuable.

Training & Skills: An **Aviation Structural Mechanic** learns to use power and hand tools. He learns to inspect an aircraft and identify defects. He is taught to repair and maintain aircraft parts. He learns painting, welding, and riveting. He may receive on-the-job training or attend a Navy school.

An **Aviation Structural Mechanic** may be stationed on an aircraft carrier or cruiser. He may also serve at a naval air station base.

Related Occupations: (Civilian)

- Auto Body Repairman
- General Welder
- Tire Rebuilder
- Painter

ILLUSTRATOR

Title: ILLUSTRATOR

Civilian D.O.T. No. 141.081

Occupation: The **Illustrator** draws pictures for magazines, books, and catalogues using colors and materials of all types. He is skilled in achieving special effects with these materials. He draws blueprints, legal documents and sketches in his work.

Related Military Occupations:

Air Force	Graphics Specialist
Army	Illustrator

Marine Corps	Illustrator
Navy	Illustrator Draftsman

Composite Service Job Statement: In the Armed Services, the **Illustrator** creates or copies artistic material for use in posters, charts, displays and similar purposes. He draws and paints designs, selects and mixes materials, computes the best layout technique and fabricates visual aids using special effects of brushes and color combinations. He letters visual aids or posters using free hand or mechanical methods.

Related Occupations: (Civilian)

- Art Lay-Out Man
- Cover Designer
- Poster Artist

Title: GRAPHICS SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 23131

Occupation: A **Graphics Specialist** prepares art work, sketches, schematics, charts, and layouts for publications, presentations, displays, training, audiovisual production, and medical requirements.

Interests & Qualifications: It is desirable that a **Graphics Specialist** complete high school. Courses in art and drafting will be helpful. You will need a score of General 60 on the Armed Services Vocational Aptitude Battery. You must meet the basic physical requirements and have normal color vision.

This specialty is open to women.

Training & Skills: On-the-job training will teach you the skills for this occupation. You will learn to operate graphic equipment such as copy cameras. You may learn to prepare medical illustrations and related anatomical and pathological sketches. You will learn to use various graphics media, including inks and papers and how to incorporate these materials to achieve specific visual elements.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Artist/Illustrator
- Advertising/Art Layout Man
- Medical Illustrator

Title: ILLUSTRATOR

Service: ARMY

AFSC/MOS/Rating: 81E

NAVY
MER FACE

Occupation: An **Illustrator** makes illustrations with drafting tools and other artist materials. He lays out designs for posters, graphs, and charts. He also retouches drawings and paints and letters signs.

Interests & Qualifications: An **Illustrator** must know basic math. Also important are attention to detail, ability to read and understand technical data, good eye-hand coordination, and normal color vision. High school courses in math, mechanical drawing, drafting and art clay modeling are helpful. Also helpful is drawing and model-making as a hobby.

Training & Skills: Those entering this field are taught the basics of lettering, map printing, symbols and the shading and profiles used to represent mechanical parts, electrical circuits and features of the ground surface. They learn to interpret blueprints, sketches and charts in order to draw items to order. Methods of lay-out, uses of various materials and paints, crayons, oils, free-hand, mechanical drawing and design techniques are also taught.

Related Occupations: (Army)

- General Draftsman
- Cartographic Draftsman

Title: ILLUSTRATOR

Service: MARINES

AFSC/MOS/Rating: 4911

Occupation: The **Illustrator** makes drawings which are used in training programs.

He works with many kinds of drawing tools.

Interests & Qualifications: The **Illustrator** must be creative and know how to draw. He needs to have normal color perception. This position is open to men and women.

Helpful high school courses include art and mechanical drawing. Useful hobbies are drawing and lettering.

Training & Skills: Depending on his grade, the **Illustrator** must know how to mix and match colors and use regular mechanical drawing equipment. He must be able to hand letter and use diazo materials and techniques and know how to prepare layouts. Training involves completing a formal course at the Graphics Arts School, Sheppard Air Force Base; or Illustrator Draftsman Class "A" School, Port Hueneme, California; or have equivalent civilian training before entering the Marine Corps.

Related Occupations: (Marines)

- Construction Draftsman
- Map Compiler
- Surveying and Drafting Chief

Title: ILLUSTRATOR-DRAFTSMAN

Service: NAVY

AFSC/MOS/Rating: DM

Occupation: An **Illustrator-Draftsman** prepares mechanical drawings and illustrations. He makes, corrects, and files blueprints. He supervises and trains shop personnel and guides them in their work.

Interests & Qualifications: An **Illustrator-Draftsman** needs skill in drawing and lettering. He should have an interest in design and construction and be able to do close, accurate work. High school courses in art, mechanical drawing, shop and geometry are helpful. Experience in drafting or surveying is valuable.

Training & Skills: An **Illustrator-Draftsman** learns commercial art techniques, basic drawing, composition, theory, and use of color. He is taught photo retouching and principles of offset and letterpress. He receives his training through on-the-job experience and the study of training manuals.

An **Illustrator-Draftsman** may be stationed ashore or aboard ship.

Related Occupations: (Civilian)

- Electrical Draftsman
- Graphic Art Mechanic
- Structural Draftsman

INSPECTOR (MUNITIONS)

Title: INSPECTOR (Munitions)

Civilian D.O.T. No. 737.387

Occupation: The **Inspector (Munitions)** works with explosives. He needs a thorough knowledge of munitions and how each operates, what each is made of, how to detonate, and safety measures to be used while handling armaments.

Related Military Occupations:

Air Force	Munitions Disposal Specialist
Army	Ammunition Storage and Operations Specialist
Marine Corps	Explosive Ordnance Disposal Technician
Navy	Mineman

Composite Service Job Statement: In the armed services, the **Inspector (Munitions)** inspects ammunitions, ammunition components, and magazines to detect unsafe or unserviceable items and to enforce safety regulations. He inspects cartridges for corrosion and outgoing shipments for proper loading, markings and makes reports on his findings. He may be engaged in salvage or destruction of unserviceable ammunition and explosives.

Related Occupations: (Civilian)

- Inspector, Fireworks
- Pressure Test Operator
- Process Inspector

Title: MUNITIONS DISPOSAL SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 46430

Occupation: The **Munitions Disposal Specialist** makes sure of the safe recovery or disposal of munitions. He may perform as a member of a special disaster preparedness team.

Interests & Qualifications: To be a **Munitions Disposal Specialist**, you must complete high school or have the GED equivalent. School courses in science are helpful. You must have a score of Mechanical or Electronic 60 on the Armed Services Vocational Aptitude Battery. You must submit a voluntary statement for hazardous duty; be a U.S. citizen; have normal depth perception; and have no record of emotional instability. This specialty is open to women.

Training & Skills: To be a **Munitions Disposal Specialist**, you must complete courses at Redstone Arsenal, Alabama for 2 weeks, and then approximately 18 weeks at Indian Head, Maryland. This will teach you to dispose of munitions safely. You will also learn how to deal with disasters and supervise other workers. Also taught is identification and detection of unexploded munitions, evacuation procedures and use of tools to render the munitions harmless.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Munitions Handler

Title: AMMUNITION STORAGE AND OPERATIONS SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 55B

Occupation: An **Ammunition Storage and Operations Specialist** receives, stores, issues, and transports conventional ammunition. He also performs record keeping, stock control and accounting.

Interests & Qualifications: An **Ammunition Storage and Operations Specialist** needs mechanical skill to use tools and machines. He also needs the ability to reason well and solve problems. High school courses in chemistry, math, and electricity are helpful, as is any work experience in construction.

Training & Skills: The Army provides the training needed. You will learn to load, unload, store and transport ammunition. You will also learn to use tools and observe safety rules. As you gain experience you may move into specialties involving maintenance of ammunition, disposal and nuclear weapons. In each of these specialities you can advance in skills and perhaps assume a supervisory position.

Related Occupations: (Army)

- Ammunition Maintenance Specialist
- Explosive Ordnance Disposal Specialist

Title: EXPLOSIVE ORDNANCE DISPOSAL TECHNICIAN

Service: MARINES

AFSC/MOS/Rating: 2336

Occupation: The **Explosive Ordnance Disposal Technician** finds and disposes of unexploded bombs and ammunition. He also does a variety of tasks related to making safe the explosive parts of nuclear, biological and chemical munitions.

Interests & Qualifications: Becoming an **Explosive Ordnance Disposal Technician** is voluntary. A top secret security clearance will be required.

Helpful high school courses include math, chemistry, physics, and mechanical arts. This technician must know how to work very carefully with dangerous materials.

Training & Skills: According to his grade, this technician must be able to identify all common types of friendly and enemy explosive ordnances. In training, he studies the characteristics of projectile, bombs, mines and fuses. He also studies ammunition inspection and demolition. Training programs include: Surface Explosive Ordnance Disposal (Nuclear Weapons); Explosive Ordnance Disposal School, Indian Head, Maryland for 19 weeks and Surface Explosive Ordnance Disposal Refresher for 4 weeks at the same location.

Related Occupations: (Marines)

- Rock Quarryman
- Ammunition Technician
- Combat Engineer

Title: MINEMAN

Service: NAVY

AFSC/MOS/Rating: MN

Occupation: A **Mineman** assembles and repairs mines. He tests electrical and electronic mine circuits and solves electrical problems related to mines.

Interests & Qualifications: A **Mineman** should have good math ability and concentration. He must be able to work well with his hands. High school courses in electricity, machine shop, welding, mechanical drawing, and shop mathematics are helpful. Experience in electricity, welding, or machine tools is valuable.

Training & Skills: A **Mineman** learns how to work with explosives safely. He studies basic physics and electricity. He learns to use metal-working tools and electrical measuring tools. He receives training at a Navy school.

A **Mineman** is stationed at shore or air stations.

Related Occupations: (Civilian)

- Ammunitions Foreman
- Ordnanceman
- Mine Assembler
- Electrician

INSPECTOR (POLICE)

Title: INSPECTOR (POLICE)

Civilian D.O.T. No. 375.268

Occupation: The **Inspector (Police)** protects the lives and property of citizens. He uses firearms and communication equipment to apprehend criminals.

Related Military Occupations:

Army	Infantryman
Coast Guard	Gunner's Mate
Marine Corps	Criminal Investigator
Navy	Gunner's Mate

Composite Service Job Statement: In the Armed Services, the **Inspector (Police)** learns to operate and effectively use firearms and various communication equipment. He plans, organizes, and reacts in time of physical danger.

Related Occupations: (Civilian)

- State Highway Patrolmen
- Detective, Sergeant
- Sheriff, Deputy

Title: INFANTRYMAN

Service: ARMY

AFSC/MOS/Rating: 11B

Occupation: An **Infantryman** serves as a member of an infantry squad. He arms and fires rifles, uses cover and camouflage, interprets hand and arm signals, maintains weapons and applies first aid.

Interests & Qualifications: An **Infantryman** must have good vision. He must do rugged physical work, and be emotionally stable. An interest in competitive sports, a preference for the outdoors, and having trained with a rifle team are all helpful. Useful high school courses include mechanical or electrical subjects or auto mechanics.

Training & Skills: Those entering this field are taught to use and maintain weapons, vehicles and equipment. They learn how to use field radio and telephone gear, sound locating equipment, and radar equipment. They learn to identify enemy personnel, prepare simple demolitions and minefields. They learn to read a compass, maps and aerial photographs to locate position. They are trained in hand-to-hand combat and procedures to escape and evade the enemy.

Related Occupations: (Army)

- Infantry Indirect Fire Crewman
- Armor Reconnaissance Specialist

Title: GUNNER'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: GM

Occupation: The **Gunner's Mate** is an expert in everything from small arms to rocket launchers. He operates, maintains, and repairs all gunnery equipment and handles ammunition.

Interests & Qualifications: A **Gunner's Mate** should be above average in general learning ability. He should have a high degree of mechanical aptitude. School training in mathematics, electricity, physics, and shop work provides a helpful background.

Training & Skills: Upon completion of recruit training, the **Gunner's Mate** may take 18 weeks of training at Coast Guard Training Center, Governor's Island, New York. Sometimes, training is on-the-job and study of manuals and publications. He learns to operate, maintain, and repair small arms, torpedo tubes, mortars, guns, gun mounts, and related equipment. He also inspects electric, hydraulic, and mechanical gunnery systems. He inspects or supervises the inspection of ammunition and ordnance components.

Related Occupations: (Coast Guard)

- Fire Control Technician

Title: CRIMINAL INVESTIGATOR

Service: MARINES

AFSC/MOS/Rating: 5821

Occupation: The **Criminal Investigator** investigates incidents and offenses involving individuals subject to the uniform code of military justice.

Interests & Qualifications: This position is open to men and women

The **Criminal Investigator** must be a U.S. citizen, 21 years of age or older. He must also have a GT of 110 or higher. Helpful high school courses include sociology or psychology. Also helpful is a successful background in athletics, scouting, or other group efforts. The **Criminal Investigator** needs to be aggressive and persistent.

Training & Skills: The **Criminal Investigator** must satisfactorily complete a criminal investigation course, U.S. Army Military Police School, Ft. Gordon, GA. Skills learned include investigation planning, collecting and preserving evidence, finger printing, interviewing victims and witnesses, evaluation of evidence, reporting on the investigation, and testifying at legal proceedings. The **Criminal Investigator** also conducts crime prevention surveys and recommends corrective measures.

Related Occupations: (Marines)

- Military Policeman
- Corrections Man
- Polygraph Examiner

Title: GUNNER'S MATE

Service: NAVY

AFSC/MOS/Rating: GM

Occupation: The **Gunner's Mate** operates and maintains guided missile launching systems, rocket launchers, and other gunnery systems and equipment. He controls the storage and use of explosives. He trains crews in the use of guns.

Interests & Qualifications: A **Gunner's Mate** needs to have mechanical skill. High school courses in arithmetic, shop mathematics, electricity, physics, and shop work are helpful.

Training & Skills: A **Gunner's Mate** learns to use tools and measuring equipment; to maintain gunnery equipment; to handle explosives; and to operate gunnery equipment. He learns by on-the-job training, by studying special books, or by going to a Navy school.

A **Gunner's Mate** may be stationed on fighting ships, at weapons installations, ordnance depots, or shore stations.

Related Occupations: (Civilian)

- Small Arms Instructor
- Firearms Assembly Foreman
- Gunsmith

INSTRUMENT REPAIRMAN

Title: INSTRUMENT REPAIRMAN

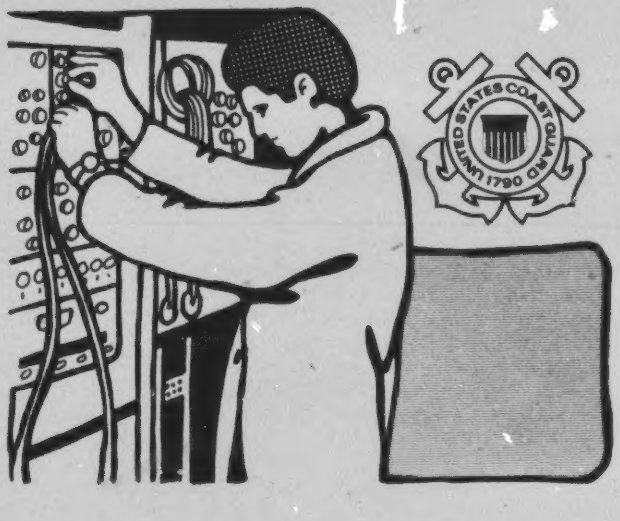
Civilian D.O.T. No. 711.884

Occupation: The **Instrument Repairman** services and repairs instruments and gauges used to analyze, record and control product output. He installs measuring and recording components and uses test equipment to determine the location of defective parts.

Related Military Occupations:

Air Force	Instrumentation Mechanic
Army	Topographic Instrument Repairman
Coast Guard	Electronics Technician
Marine Corps	Electronic Instrument Repairman
Navy	Instrumentman

Composite Service Job Statement: In the Armed Services, the **Instrument Repairman** assembles and disassembles indicating, recording, telemetering and controlling instruments. He checks for faulty circuitry and replaces worn parts. He may also calibrate radiac, topographic and polygraph instruments as part of a support program.



Related Occupations: (Civilian)

- Meter Serviceman
- Panel Instrument Repairman

Title: INSTRUMENTATION MECHANIC

Service: AIR FORCE

AFSC/MOS/Rating: 31730

Occupation: An **Instrumentation Mechanic** assembles, installs, and calibrates the equipment used to measure aircraft, missile and satellite performance. He also maintains and tests this equipment.

Interests & Qualifications: It is desirable that an **Instrumentation Mechanic** complete high school. For this job, it is a must that you have a knowledge of math, including plane geometry, trigonometry, and algebra and electricity. You must have a score of Electronic 80 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: You must complete the Instrumentation Mechanic course (32 weeks) at Lowry Air Force Base, Denver, Colorado. This course will train to assemble and disassemble computer equipment and adjust and replace defective units. You will learn to test and modify components to perform at specified levels. You will also learn to overhaul equipment periodically.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Electronics Mechanic

Title: TOPOGRAPHIC INSTRUMENT REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 41B

Occupation: A **Topographic Instrument Repairman** inspects, tests, adjusts and repairs the instruments used in designing and making maps. He takes apart units, cleans parts and replaces those that are worn.

Interests & Qualifications: A **Topographic Instrument Repairman** must know basic math. Also important are: attention to detail, being able to read and understand technical data, and good eye-hand coordination. He must work well with his hands and fingers and have normal color vision. High school courses in mechanical drawing, drafting, and art are helpful. Clay modeling and model-making as a hobby is also helpful.

Training & Skills: A **Topographic Instrument Repairman** learns how to work on topographic and cartographic instruments that require maintenance or general overhaul. He learns the names, symbols and profiles used to represent mechanical parts, electric circuits and features of the ground surface. He also learns how to oil joints, repair optical equipment and lenses, test for loose gears and how to fabricate metal parts.

Related Occupations: (Army)

- Meteorological Equipment Repairman
- Reproduction Equipment Repairman

Title: ELECTRONICS TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: ET

Occupation: The **Electronics Technician** performs inspection and repair of sophisticated electronics equipment, radio receivers and transmitters, and sonar equipment.

Interests & Qualifications: Electronics Technicians should be interested in electronics. They should have an aptitude for fine, detailed, mechanical work and be above average in ability to solve math problems. School courses in electricity, physics, algebra, trigonometry, and shop are helpful. Also helpful is experience in any mechanical or electrical trade.

Training & Skills: Upon completion of recruit training, the **Electronics Technician** goes to a 17-30 week school at Coast Guard Training Center, Governor's Island, New York. He learns to maintain, repair, calibrate, tune, and adjust electronic systems for communication, detection, tracking, recognition, and identification; for aids to navigation; for electronic countermeasures; and, for radiac.

Related Occupations: (Coast Guard)

- Electrician's Mate
- Sonar Technician
- Fire Control Technician

Title: ELECTRONIC INSTRUMENT REPAIRMAN

Service: MARINES

AFSC/MOS/Rating: 2871

Occupation: The **Electronic Instrument Repairman** installs maintains, and repairs electronic test and maintenance instruments. The instruments are used by ground and aviation facilities. He may teach others how to maintain electronic test instruments.

Interests & Qualifications: This position is open to both men and women.

A secret security clearance is required. The **Electronic Instrument Repairman** should like to work with his hands with complex instruments. He needs to be able to work very carefully from complex diagrams. Helpful high school courses include math, physics, mechanical drawing and electric shop.

Training & Skills: The **Electronic Instrument Repairman** needs to know basic electronics theory, including that of electronic test equipment and vacuum tube and transistor operation. He must be able to use the tools and test equipment for electronic troubleshooting and performance testing. He needs to know the general contents of publications pertaining to electronic test equipment. Training programs are available in this field.

Related Occupations: (Marines)

- Radio Relay Repairman
- Calibration Technician
- Radio Technician

Title: INSTRUMENTMAN

Service: NAVY

AFSC/MOS/Rating: IM

Occupation: An **Instrumentman** maintains and repairs mechanical instruments such as meters, clocks, and office machines. He tests and reconditions testing instruments and makes new parts.

Interests & Qualifications: An **Instrumentman** needs mechanical skill. He should be able to do fine, detailed work. High school courses in blueprint reading, shop and typing are helpful. Experience in watchmaking or office machine repair is valuable.

Training & Skills: An **Instrumentman** receives training in the repair of office machines, the operation of mechanical instruments, the repair of gauges and test instruments, and the use of hand power tools. An **Instrumentman** learns through on-the-job training experience, the study of special manuals, or by attending a Navy school.

He may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Meter Repairman
- Office Machine Serviceman
- Tool Clerk

KEYPUNCH OPERATOR

Title: KEYPUNCH OPERATOR

Civilian D.O.T. No. 213.582

Occupation: The **Keypunch Operator** operates keypunch machines similar to electric typewriters to transcribe source data onto punch cards. He inserts previously punched cards into the card gauge to verify correctness of punches.

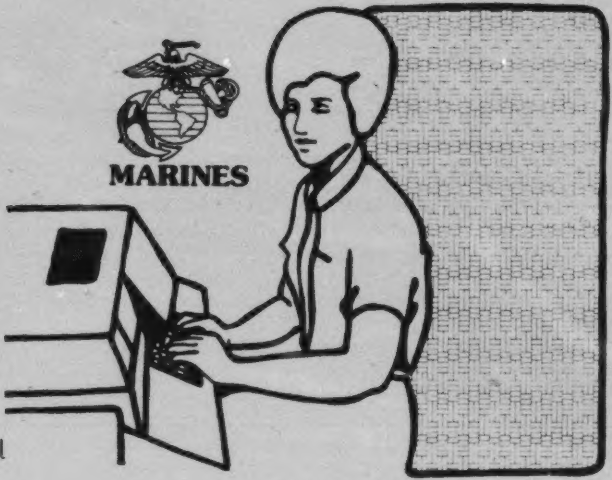
Related Military Occupations:

Air Force	Computer Operator
Army	Card and Tape Writer
Marine Corps	Card Punch Operator
Navy	Data Processing Technician

Composite Service Job Statement: In the Armed Services, the **Keypunch Operator** operates alphabetic and numeric keypunch machines. He transcribes data from source material onto punch cards and produces pre-punched data. He operates magnetic or paper tape writing machines to punch instructions and data onto tape for input into data processing systems.

Related Occupations: (Civilian)

- Data Typist
- Digital Computer Operator
- Verifier Operator



Title: COMPUTER OPERATOR

Service: AIR FORCE

AFSC/MOS/Rating: 51130

Occupation: A **Computer Operator** prepares for operation and operates electronic computer systems equipment and punched card accounting machines. The work also involves the processing and control of data flow.

Interests & Qualifications: It is desirable that the **Computer Operator** complete high school. School courses in business math and science are helpful. You must have a score of General or Electronic 60 on the Armed Services Vocational Aptitude Battery. You must also have a score of at least 57 on the Air Force Electronic Data Processing Test. This Air Force specialty is open to women.

Training & Skills: Enlistees attend Sheppard Air Force Base, Wichita Falls, Texas for approximately 9 weeks to receive training for this occupation. Training includes instruction in the preparation of electronic computer equipment and punched card machines for data processing operation; operation of data processing equipment; and the assignment of work and its review for accuracy, quality and quantity.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Card Tape Convertor Operator
- Console Operator
- Data Typist

Title: CARD AND TAPE WRITER

Service: ARMY

AFSC/MOS/Rating: 71U

Occupation: A **Card and Tape Writer** operates the keypunch and verifyer. He prepares tabulating cards or checks the completed work of other keypunch operators.

Interests & Qualifications: A **Card and Tape Writer** must have mechanical skills. High school courses in typing and business courses, or experience with office machines will be helpful. Also important are: a good memory, attention to detail, and skill in reading and following directions.

Training & Skills: A **Card and Tape Writer** learns to perform duties of a clerk typist as well as how to operate magnetic or paper tape writers. He learns how to thread the machines for print-out and how to verify completed cards for accuracy. He learns the fundamentals of operating sorters, collators, interpreters, and reproducers also. He learns the rules on using coded items and the kinds of punched cards used.

Related Occupations: (Army)

- Automatic Data Processing Analyst
- Computer Systems Operator

Title: CARD PUNCH OPERATOR

Service: MARINES

AFSC/MOS/Rating: 4013

Occupation: The **Card Punch Operator** takes information from data sheets and operates the card punch. This records data in tabulating cards. He may also run the verifier to check information.

Interests & Qualifications: This position is open to both men and women.

The **Card Punch Operator** should enjoy working in an office setting. He needs to have good finger dexterity. He must be able to type 30 words per minute. Helpful high school courses include typing and office practice. Any prior experience with key punching would be helpful.

Training & Skills: The **Card Punch Operator** must know how to run card punch and card verifying machines and how to use a card gauge. He must know how to select items to be punched according to type of operations. He must know different types of source documents and related cards, skip bars, and program cards. He must be a graduate of an appropriate formal technical school or have successfully completed 6 months on-the-job training in key punch operations.

Related Occupations: (Marines)

- Electric Accounting Machine Operator
- Data Systems Librarian

Title: DATA PROCESSING TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: DP

Occupation: A **Data Processing Technician** operates and maintains electronic accounting equipment. He writes programs and performs office management duties.

Interests & Qualifications: A **Data Processing Technician** needs clerical and mechanical skill. High school courses in typing, bookkeeping, accounting, and business machines are helpful.

Training & Skills: A **Data Processing Technician** learns to operate various office machines. He is taught to prepare, route, and file official letters. A **Data Processing Technician** is trained through on-the-job experience, the study of training manuals, or by attending a Navy school.

A **Data Processing Technician** works wherever the Navy uses data processing systems.

Related Occupations: (Civilian)

- Digital Computer Operator
- Business Programmer
- Key Punch Operator

KITCHEN SUPERVISOR

Title: KITCHEN SUPERVISOR

Civilian D.O.T. No. 310.138

Occupation: The **Kitchen Supervisor** supervises food preparation. He plans schedules and menus for daily food service and supervises preparation of nutritious meals. He ensures sanitation measures are used in all work.

Related Military Occupations:

Army	Food Service Specialist
Coast Guard	Subsistence Specialist
Marines Corps	Cook
Navy	Mess Management Specialist

Composite Service Job Statement: In the Armed Services, the **Kitchen Supervisor** coordinates activities of workers engaged in operation of eating facilities. He supervises dining rooms, snack bars, and recreational activities where food is served. He makes inventories for property records, maintains supplies and records financial transactions.

Related Occupations: (Civilian)

- Head Waitress
- Kitchen Manager
- Steward, Banquet

Title: FOOD SERVICE SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 94B

Occupation: A **Food Service Specialist** supervises the preparation and cooking of food. He weighs, blends and mixes foods and prepares fruits, vegetables, meats and desserts.

Interests & Qualifications: A **Food Service Specialist** must have eye-hand coordination. He must work well with his hands and have a keen sense of taste and smell. High school courses in cooking, home economics, chemistry or hygiene are helpful. Also helpful is work experience in school kitchens, a restaurant, bakeshop or meat market.

Training & Skills: Those entering this field are given training in procedures and standards for cleaning dishes, silverware, cooking utensils, floors, tables, and food service equipment. They are also taught to collect and dispose of food wastes and sanitary and safety rules that apply to food preparation. While much of the training is given on-the-job, special courses are available.

Related Occupations: (Army)

- Food Service Helper
- Food Service Supervisor

Title: SUBSISTENCE SPECIALIST

Service: COAST GUARD

AFSC/MOS/Rating: SS

Occupation: The **Subsistence Specialist** prepares meals, orders supplies, maintains cost and stock records, and plans and prepares meals. He learns cooking, baking, meat cutting, nutrition, and food service administration.

Interests & Qualifications: Subsistence Specialists should have an interest in food preparation. They should have average or above learning ability. They need to understand and apply instructions for the proper storage, issue and preparation of food. A **Subsistence Specialist** must be honest and clean. Experience or school courses in food preparation and dietetics are helpful.

Training & Skills: After recruit training, **Subsistence Specialists** may take 18-weeks of special instruction at Coast Guard Training Center, Petaluma, California. Or, they may perform regular on-the-job duties under the supervision of an experienced **Subsistence Specialist.** Typical duties include preparing soups, vegetable dishes, meats, salads, and desserts; baking bread, pies, and cakes; cutting meat and poultry; and supervising people doing all of these things.

Related Occupations: (Coast Guard)

- None

Title: COOK

Service: MARINES

AFSC/MOS/Rating: 3371

Occupation: The **Cook** prepares, cooks and serves food and beverages. He may serve on a general officer's personal staff.

Interests & Qualifications: Cook is a Marine specialty available to men and women.

An interest in cooking and experience doing it are most helpful. Useful high school courses include: English, math, chemistry, and home economics.

Training & Skills: In training, the **Cook** studies methods of cooking including preparing dried foods. Depending on his grade, the **Cook** also studies nutrition and menu planning. In addition, the **Cook** learns how to inspect and store food as well as learns how to cut and grade meat. Sanitation and pest control are also studied. A 9-week Food Services Course is available at Camp Lejeune, North Carolina and a 10-week field skills training course at several other locations.

Related Occupations: (Marines)

- Baker

Title: MESS MANAGEMENT SPECIALIST

Service: NAVY

AFSC/MOS/Rating: MS

Occupation: A **Mess Management Specialist** serves as a cook and baker. He prepares menus, orders supplies and inspects food deliveries. He is responsible for food storage and the care of the kitchen.

Interests & Qualifications: The **Mess Management Specialist** should have high standards of cleanliness and an interest in food preparation. Experience or high school courses in food preparation, dietetics and record keeping are helpful.

Training & Skills: The **Mess Management Specialist** learns cooking, baking and meat cutting. He is taught to organize the commissary and to use its equipment safely. He learns by on-the-job training, the study of special manuals, or by attending a Navy school.

The **Mess Management Specialist** works at shore stations and aboard ship.

Related Occupations: (Civilian)

- Baker
- Cook
- Meat Cutter
- Caterer
- Butcher
- Restaurant Manager

LINEMAN

Title: LINEMAN

Civilian D.O.T. No. 822.381

Occupation: The **Lineman** reads circuit diagrams and installs wire systems. He erects pole lines, sets up telephone equipment and performs maintenance work on electrical units.

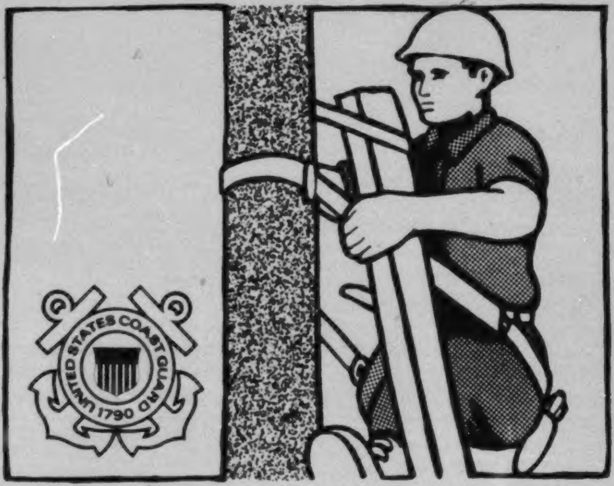
Related Military Occupations:

Air Force	Electric Power Line Specialist
Army	Telephone Installer and Lineman
Coast Guard	Telephone Technician
Marine Corps	Wireman
Navy	Construction Electrician

Composite Service Job Statement: In the Armed Services, the **Lineman** installs and repairs telephone and telegraph lines according to diagrams. He ascends poles or enters tunnels and sewers to cut feeder lines, attach appliances and replace defective and auxiliary equipment. He unreels and strings lines, installs hardware and pulls lines through ducts by hand or with the help of a winch.

Related Occupations: (Civilian)

- Central Office Installer
- Equipment Installer
- Toll-Line Repairman



Title: ELECTRICAL POWER LINE SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 54231

Occupation: An **Electric Power Line Specialist** constructs, maintains and repairs powerlines, both above and beneath the ground. He is familiar with the use of special handtools to perform his work.

Interests & Qualifications: It is desirable that an **Electric Power Line Specialist** complete high school. School courses in shop are very helpful. You must have a score of Electronic 50 on the Armed Services Vocational Aptitude Battery. Any experience you have had climbing poles, installing and maintaining overhead and underground powerlines or working with air-field lighting will be of help. In addition, you must have normal color vision and have no fear of heights. This specialty is open to women.

Training & Skills: The Air Force offers an Electric Power Line Specialist course (13 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Training in this course includes learning to construct, modify, repair and service electric power distribution systems. It also includes learning to work on energized (live) circuits.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Lineman, Repair
- Electrician Substation (Light, Heat and Power)

Title: TELEPHONE INSTALLER AND LINEMAN

Service: ARMY

AFSC/MOS/Rating: 36C

Occupation: A **Telephone Installer and Lineman** reads line route maps, raises and anchors poles; climbs poles, strings wires, makes operating tests and maintains and repairs lines.

Interests & Qualifications: A **Telephone Installer and Lineman** must have mechanical skill. He must be able to reason well, solve problems and be able to understand technical information. He also needs good vision and hearing, eye-hand coordination and the ability to work well with his hands. High school courses in electricity, physics, math, electronics, and blueprint reading are helpful.

Training & Skills: A **Telephone Installer and Lineman** learns how to place hardware such as crossarms and insulators on poles. He learns to splice and tighten wires and how to perform preventive maintenance on hand and motorized construction equipment. He is also taught how to perform tests on operating and repaired equipment to locate shorts and faulty circuitry in cables. He also learns to read circuit diagrams and how to read receiving and transmitting electric signals.

Related Occupations: (Army)

- Manual Central Office Repairman
- Dial Central Office Repairman

Title: TELEPHONE TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: TT

Occupation: The **Telephone Technician** operates and repairs all kinds of wire-constructed communication equipment. He installs antennas and helps construct pole lines and cable plants.

Interests & Qualifications: A **Telephone Technician** should have mechanical skill, good eye-hand coordination, and be interested in electricity and electronics. Helpful school courses include algebra, physics, and electricity. Helpful hobbies include making and repairing radios. Any experience working with communications equipment is useful.

Training & Skills: After completion of recruit training, the **Telephone Technician** goes to a 12-week electronics technician school. This is followed by a 14-week specialized training session. Both of these are held at Coast Guard Training Center, Governor's Island, New York. A **Telephone Technician** will find much of his training involves learning to work with electric/electronic equipment. He will operate and repair telephone, teletype, telegraph, PBX exchange, switchboard, and public address systems.

Related Occupations: (Coast Guard)

- Electronics Technician
- Aviation Electrician's Mate
- Electrician's Mate

Title: WIREMAN

Service: MARINES

AFSC/MOS/Rating: 2511

Occupation: The **Wireman** installs and operates field telephone switchboards. He also lays and maintains field wire. He installs other field telephone equipment as well.

Interests & Qualifications: This position is open to men and women.

The **Wireman** does a great deal of his work outdoors. He needs to be able to work from diagrams and drawings. Helpful high school courses include math, physics, and electric shop.

Useful hobbies include those involving wiring such as tinkering with High Fi's.

Training & Skills: Depending on his grade, the **Wireman** must be able to do maintenance work on electronics equipment. He must be able to install and maintain field wire according to standard procedures. In addition, he must be able to install and operate field telephone equipment and switchboards. Preparing and interpreting line route maps and circuit and traffic diagrams are also skills he needs. Training programs are available for the **Wireman.**

Related Occupations: (Marines)

- Cable Systems Technician
- Central Office Installer
- Telephone Technician

Title: CONSTRUCTION ELECTRICIAN

Service: NAVY

AFSC/MOS/Rating: CE

Occupation: A **Construction Electrician** installs power lines and underground electrical systems. He installs and repairs telephone and alarm systems. He works with electrical tools and testing equipment.

Interests & Qualifications: A **Construction Electrician** needs electrical and mechanical skill. High school courses in electricity, shop mathematics, and physics are helpful. Work experience in construction or as a telephone lineman is valuable.

Training & Skills: A **Construction Electrician** learns to install and repair generators, power systems, and electrical communications systems. He is taught to work with blueprints and electrical tools. He receives on-the-job training, reads special manuals, or attends a Navy school to learn to do his job.

A **Construction Electrician** may be assigned to naval shore activities or to a mobile construction battalion.

Related Occupations: (Civilian)

- Telephone Repairman
- Powerhouse Electrician
- Electrical Repairman

LITHOGRAPHER (PHOTOGRAPHER)

Title: LITHOGRAPHER (PHOTOGRAPHER)

Civilian D.O.T. No. 972.382

Occupation: The **Lithographer (Photographer)** transposes prints from metal plates to receptive type paper. He is familiar with the kinds of ink and papers that are used to make designs required. He knows how to cut patterns into metal plates.

Related Military Occupations:

Army	Photolithography Chief
Coast Guard	Photo-Journalist
Marine Corps	Plate/Layout Man
Navy	Lithographer

Composite Service Job Statement: In the Armed Services, the **Lithographer (Photographer)** sets up and operates cameras to photograph illustrations and printed materials to produce film or glass negatives or reversed negatives used in the preparation of lithographic printing plates. He focuses the film, adjusts lights and exposes film to copy for specified periods of time. He develops and dries film and may prepare original layouts for halftone or color prints by copy-drawing or inking technique. He is familiar with offset press operations.

Related Occupations: (Civilian)

- Cameraman
- Lithographic Press Plate Maker
- Process Artist

Title: PHOTOLITHOGRAPHY CHIEF

Service: ARMY

AFSC/MOS/Rating: 83Z

Occupation: The **Photolithography Chief** supervises workers involved in platemaking, photocopy and offset press activities. He also oversees the reproduction of military maps, charts, and diagrams.

Interests & Qualifications: A **Photolithography Chief** must know basic math. Finger dexterity and good eye-hand coordination are important as is good vision and color discrimination. High school courses in drawing and other related art courses are helpful. Any experience in mechanical drawing or drafting is also valuable.

Training & Skills: A **Photolithography Chief** is taught supervisory responsibilities including scheduling and coordinating reproduction activities. He is taught to inspect the quality of photographic processing and copies used for making lithographic impressions. He is also taught to inspect darkroom procedures and equipment for proper operation and use of materials.

Related Occupations: (Army)

- Offset Pressman
- Platemaker

Title: PHOTO-JOURNALIST

Service: COAST GUARD

AFSC/MOS/Rating: PA

Occupation: The **Photo-Journalist** helps maintain Coast Guard morale by getting news to shipmates and the public about the Coast Guard. He does this through written and pictorial reports about personnel and activities.

Interests & Qualifications: The **Photo-Journalist** must have the ability to write clearly, accurately, and quickly. He should have above average learning ability and have a command of the English language. Good personality traits are attentiveness, initiative, creativity, and poise under pressure. School courses in English, journalism, and typing are advantageous. Helpful hobbies are writing and photography.

Training & Skills: Upon completion of recruit training, the future **Photo-Journalist** receives guidance from an experienced **Photo-Journalist** and further training from specially designed publications and correspondence courses. The **Photo-Journalist** learns to write news releases, television and radio scripts, and ship and station newspapers and brochures. In addition, he takes and processes photographs and shoots motion picture footage.

Related Occupations: (Coast Guard)

- None

Title: PLATE/LAYOUT MAN

Service: MARINES

AFSC/MOS/Rating: 1531

Occupation: The **Plate/Layout Man** prepares copy and layouts for camera work. He produces and strips negatives and positives. Preparing, proofing and correcting lithographic plates is also part of his job.

Interests & Qualifications: This position is open to men and women.

The **Plate/Layout Man** should enjoy working in the photographic lab. He must have normal color perception.

Helpful high school courses include chemistry, physics and math. Other useful experiences include photography as a hobby and developing one's own pictures.

Training & Skills: Depending on his grade, the **Plate/Layout Man** must have a general knowledge of the various types of layout and stripping procedures applicable to offset platemaking and printing. He must be able, under supervision, to expose, develop, wash and preserve plates. He must be familiar with the special safety precautions and fire prevention methods used in the work area. Formal training is available.

Related Occupations: (Marines)

- Duplicating Man
- Offset Pressman
- Process Cameraman

Title: LITHOGRAPHER

Service: NAVY

AFSC/MOS/Rating: LI

Occupation: A **Lithographer** performs the duties required in Navy offset lithography and letterpress printing. These include copy preparation, camera work, platemaking, typesetting, presswork, binding, and proofreading.

Interests & Qualifications: A **Lithographer** should have ability in spelling, arithmetic, and grammar. He must be able to work with machinery and chemicals. An interest in photography and printing is important. High school courses in typing, mathematics, printing, physics, chemistry, and English are helpful. Experience in lithography printing or photography is valuable.

Training & Skills: A **Lithographer** learns process photography, lithographic platemaking, offset press operation, and reproduction equipment repair. He is trained on-the-job and at Navy schools.

A **Lithographer** may be stationed ashore and at sea.

Related Occupations: (Civilian)

- Printer
- Offset Pressman
- Bookbinder
- Cameraman
- Photolithographer

MACHINIST

Title: MACHINIST

Civilian D.O.T. No. 600.280

Occupation: The **Machinist** sets up and operates most kinds of machine tools. He fashions metal according to specifications and blueprints. He may direct other workers to do the machining work he plans and marks on the metal to be worked.

Related Military Occupations:

Air Force	Machinist
Army	Machinist
Coast Guard	Machinery Technician
Marine Corps	Repair Shop Machinist
Navy	Machinery Repairman

Composite Service Job Statement: In the Armed Services, the **Machinist** sets up and operates metalworking machines to fabricate, rework and repair metal parts. He works from sketches, blueprints, written specifications or oral instructions. He assembles and fits machined parts.

Related Occupations: (Civilian)

- Instrument Maker
- Parts Mechanic
- Patternmaker, Metal

Title: MACHINIST

Service: AIR FORCE

AFSC/MOS/Rating: 53130

Occupation: A **Machinist** operates lathes and metalworking machines to produce, rework and repair metal parts. He also uses calipers, gauges, and micrometers to measure worn parts. He works with metals like steel, cast iron and copper.

Interests & Qualifications: A **Machinist** needs mechanical skill and should like to work with his hands. Helpful high school courses would include shop math, mechanics and drafting. Helpful hobbies include welding or metalworking. He needs good vision. He must score Mechanical 40 on the Armed Services Vocational Aptitude Battery. Good eye-hand coordination and good hearing are important as well.

This specialty is open to women.

Training & Skills: A **Machinist** may receive on-the-job training or may go to a special school. A Machinist course is offered at Aberdeen Proving Grounds, Maryland (15 weeks). In this course, he will learn to make and repair metal parts; to use machine charts and tables; and to use shop safety codes. He will learn to use metalworking machines; to draw sketches; select proper materials and machines used to do the job.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Machine Builder
- Tool and Die Maker

Title: MACHINIST

Service: ARMY

AFSC/MOS/Rating: 44E

Occupation: A **Machinist** constructs, repairs and alters metal and non-metal parts. He works with machines such as lathes, grinders, shapers, vertical bandsaws, milling machines, and drill presses.

Interests & Qualifications: A **Machinist** needs to have mechanical skill and be able to reason well and solve problems. It is important to have good vision, eye-hand coordination and to be able to work well with his hands. High school courses in math, physics, and sheetmetal shop are helpful. Work experience in welding, sheetmetal work or auto and farm machinery repair is also helpful.

Training & Skills: Those entering this field are taught the basics of math, physics, and electrical and fuel systems. In addition, they learn the use of tools, gauges, and testing equipment; the names, locations and characteristics of weapons, vehicles and machines. Related safety precautions are also taught.

Related Occupations: (Army)

- Metal Body Repairman
- Metalworking Assistant

Title: MACHINERY TECHNICIAN

SERVICE: COAST GUARD

AFSC/MOS/Rating: MK

Occupation: The **Machinery Technician** operates, maintains, and repairs internal combustion engines. He also works on propulsion boilers, steam turbines and power transmission equipment.

Interests & Qualifications: A **Machinery Technician** should be average or above in math. He should have an aptitude for mechanics. Helpful school studies include machine shop, electricity, and various math courses. Experience as a mechanic, machinist, or power plant operator is very helpful.

Training & Skills: After recruit training, the **Machinery Technician** may attend a 16-week school at the Coast Guard Reserve Training Center, Yorktown, Virginia. Or, he may train on-the-job or through the study of manuals and publications.

The **Machinery Technician** may learn to maintain and repair a number of related machines and engines including air-conditioning equipment, cranes, winches, and elevators.

Related Occupations: (Coast Guard)

- Damage Controlman
- Electrician's Mate

Title: REPAIR SHOP MACHINIST

Service: MARINES

AFSC/MOS/Rating: 2161

Occupation: The **Repair Shop Machinist** uses machine tools and welding equipment. He works with lathes, drill presses, saws, and grinders. He repairs metal parts for engineer or motor transport weapons and accessories.

Interests & Qualifications: The **Repair Shop Machinist** should enjoy working with tools or metals. He needs to know some basic math and physics. He needs to be able to figure things out from drawings and diagrams.

It would be useful for him to take general metal and electric shop in high school as well as mechanical drawing. Welding is a good hobby.

Training & Skills: Depending on his grade, the **Repair Shop Machinist** must know about metal alloys. He needs to know their working properties and strength qualities. He must be able to read schematic diagrams, shop sketches and blueprints. He must be able to use welding equipment and make simple dies and jigs. A 14-week training course is available for the **Repair Shop Machinist** at Aberdeen Proving Ground, Maryland. Weapons repair, shop mathematics and welding are among the subjects studied

Related Occupations: (Marines)

- Engineer Equipment Mechanic
- Tracked Vehicle Repairman
- Turret Repairman

Title: MACHINERY REPAIRMAN

Service: Navy

AFSC/MOS/Rating: MR

Occupation: A **Machinery Repairman** overhauls and repairs machinery and makes replacement parts. He operates machine shop equipment, works with measuring instruments, and engraves metals and other materials.

Interests & Qualifications: A **Machinery Repairman** needs mechanical skill. He should be able to do practical arithmetic. High school courses or experience in mathematics, machine shop, electricity, foundry, mechanical drawing, and blueprint reading are helpful.

Training & Skills: A **Machinery Repairman** learns to operate machine tools and to repair and lubricate machinery. He is taught mechanical drawing, blueprint reading, heat treatment effects, metal identification and basic mechanics. A **Machinery Repairman** learns by on-the-job training, studying special manuals, or by attending a Navy school.

A **Machinery Repairman** may be stationed at sea or ashore.

Related Occupations: (Civilian)

- Engine Lathe Operator
- Tool & Die Maker
- Maintenance Mechanic

MEDICAL LABORATORY ASSISTANT

Title: MEDICAL LABORATORY ASSISTANT

Civilian D.O.T. No. 078.381

Occupation: The **Medical Laboratory** assistant performs routine tests in medical laboratories for use in diagnosing and treating disease. He is familiar with lab procedures, working with chemicals and processing specimens.

Related Military Occupations:

Air Force	Medical Laboratory Specialist
Army	Medical Laboratory Specialist
Coast Guard	Hospital Corpsman
Navy	Hospital Corpsman

Composite Service Job Statement: In the Armed Services, the **Medical Laboratory Assistant** obtains and analyzes specimens. He may prepare tissue for pathological examinations. He acts as a technical assistant at autopsies and maintains autopsy and surgical instruments. He maintains records of autopsies and surgical specimens.

Related Occupations: (Civilian)

- Blood Bank Technologist
- Biochemistry Technician
- Serology Technician

Title: MEDICAL LABORATORY SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 90430

Occupation: A **Medical Laboratory Specialist** tests and analyzes human and other substances. He uses scientific techniques to diagnose, treat and prevent disease. He also examines food, water and dairy products.

Interests & Qualifications: It is desirable that a **Medical Laboratory Specialist** complete high school. School courses in zoology, algebra, biology and chemistry are helpful. You must have a score of General 60 on the Armed Services Vocational Aptitude Battery. You must have normal color vision and have a normal degree of manual dexterity.

This Air Force specialty is open to women.

Training & Skills: To be a **Medical Laboratory Specialist,** you must complete the Medical Laboratory Specialist course (21 weeks) offered at Sheppard Air Force Base, Wichita Falls, Texas. Skills taught include making blood tests, performing chemical analysis, performing urinanalysis and assisting in blood bank duties. He may also learn to supervise medical laboratory personnel in their performance of other more general laboratory duties.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Medical Laboratory Assistant

Title: MEDICAL LABORATORY SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 92B

Occupation: The **Medical Laboratory Specialist** takes specimens from patients. These specimens include blood and throat cultures. He tests the specimens, then records the results and passes them on to a doctor.

Interests & Qualifications: A **Medical Laboratory Specialist** must be stable, dependable and be able to work closely with others. High school courses in first aid, chemistry, health, hygiene or biology would be helpful. Work experience as a medical technician's assistant would also be very useful in preparing for this field.

Training & Skills: While the Army provides all the training needed for this field, any previous knowledge you may have about medical care will be helpful in mastering the Army training given. Skills learned include learning how to take specimens; learning how to chemically test specimens; how to select, pretest, and bleed donors; how to store blood and how to record and maintain accurate files on all tests done.

Related Occupations: (Army)

- Preventive Medicine Specialist
- X-Ray Specialist

Title: HOSPITAL CORPSMAN

Service: Coast Guard

AFSC/MOS/Rating: HM

Occupation: The **Hospital Corpsman** is responsible for a variety of medical duties. He performs minor surgery repairs, preventive medicine inspections, pest control operations, and knows medical administration. He also conducts first aid and health classes and lectures.

Interests & Qualifications: The **Hospital Corpsman** should be average or above in learning ability. Interests should be towards the natural sciences. School courses in anatomy and physiology, biology, chemistry, general math, English composition, and typing provide an excellent background.

Training & Skills: After recruit training, the **Hospital Corpsman** receives 24 weeks of instruction and practical application at the Coast Guard Academy, New London, Connecticut. He is trained in anatomy and physiology, physical diagnosis, treatment, laboratory procedures, x-ray techniques, minor surgery, pharmacy, first aid, pest control, and preventive medicine.

Related Occupations: (Coast Guard)

- Dental Technician

Title: HOSPITAL CORPSMAN

Service: NAVY

AFSC/MOS/Rating: HM

Occupation: A **Hospital Corpsman** performs medical and clerical duties. He takes and develops x-rays, performs laboratory tests, fills prescriptions, and assists in hospital food service programs. He applies first aid as well.

Interests & Qualifications: A **Hospital Corpsman** should have a desire to help others and a friendly personality. He should have a practical knowledge of math. High school courses in health, biology, physiology, and typing are helpful. First aid or hospital experience is valuable.

Training & Skills: A **Hospital Corpsman** is trained in a Navy school. He learns first aid and minor surgery; laboratory procedures; basic anatomy; pharmacy; nursing; and dietetics.

A **Hospital Corpsman** may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Medical Technician
- First Aid Attendant
- Practical Nurse

MEDICAL RECORDS CLERK

Title: MEDICAL RECORDS CLERK

Civilian D.O.T. No. 249.388

Occupation: The **Medical Records Clerk** maintains hospital records of patients and enters progress reports of case histories. He acts as a file clerk, and discharges records to authorized hospital staff and other personnel.

Related Military Occupations:

Air Force	Medical Administrative Specialist
Army	Medical Records Specialist
Coast Guard	Hospital Corpsman
Navy	Hospital Corpsman

Composite Service Job Statement: In the Armed Services, the **Medical Records Clerk** compiles and maintains medical records of hospital and clinic patients. He codes, indexes, and files records of diagnoses, diseases and treatment. He releases information to authorized staff. He keeps records current and may testify in court to authenticate his information.

Related Occupations: (Civilian)

- Acquisitions Librarian
- Cataloguer
- Circulation Librarian

Title: MEDICAL ADMINISTRATIVE SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 90630

Occupation: A **Medical Administrative Specialist** prepares and maintains records, reports, and letters in medical, dental and veterinary clinics.

Interests & Qualifications: It is desirable that a **Medical Administrative Specialist** complete high school. School courses in bookkeeping, accounting, general math and typing are helpful. You must have a score of General 60 on the Armed Services Vocational Aptitude Battery. You must be able to attain a typing speed of 35 words per minute and operate a business machine.

This specialty is open to women.

Training & Skills: A Medical Administrative Specialist course (10 weeks) is offered at Sheppard Air Force Base, Wichita Falls, Texas. This course includes instruction in typing, processing forms, and writing correspondences. It also covers registrar duties, medical air evacuation of patients, medical service accounts and civilian medical/dental care.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Medical Records Librarian
- Statistical Clerk
- Hospital Admitting Clerk

Title: MEDICAL RECORDS SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 71G

Occupation: A **Medical Records Specialist** keeps daily health records on patients. He may also aid in handling seriously ill patients.

Interests & Qualifications: A **Medical Records Specialist** must be able to work closely with others and make decisions. He needs to have office skills and be aware of office procedures. High school business courses are helpful as is any office experience.

Training & Skills: Those entering this field are given training in writing reports, typing records and forms, and using the Army file system. They learn to use office machines, basic medical terms and procedures, how to admit and prepare admission records for patients and how to prepare their transfer to wards and other medical facilities.

Related Occupations: (Army)

- Clerk Typist
- Postal Clerk
- Stenographer
- Unit Clerk

Title: HOSPITAL CORPSMAN

Service: COAST GUARD

AFSC/MOS/Rating: HM

Occupation: The **Hospital Corpsman** is responsible for a variety of medical duties. He performs minor surgery repairs, preventive medicine inspections, pest control operations, and knows medical administration. He also conducts first aid and health classes and lectures.

Interests & Qualifications: The **Hospital Corpsman** should be average or above in learning ability. Interests should be towards the natural sciences. School courses in anatomy and physiology, biology, chemistry, general math, English composition, and typing provide an excellent background.

Training & Skills: After recruit training, the **Hospital Corpsman** receives 24 weeks of instruction and practical application at the Coast Guard Academy, New London, Connecticut. He is trained in anatomy and physiology, physical diagnosis, treatment, laboratory procedures, x-ray techniques, minor surgery, pharmacy, first aid, pest control, and preventive medicine.

Related Occupations: (Coast Guard)

- Dental Technician

Title: HOSPITAL CORPSMAN

Service: NAVY

AFSC/MOS/Rating: HM

Occupation: A **Hospital Corpsman** performs medical and clerical duties. He takes and develops x-rays, performs laboratory tests, fills prescriptions, and assists in hospital food service programs. He applies first aid as well.

Interests & Qualifications: A **Hospital Corpsman** should have a desire to help others and a friendly personality. He should have a practical knowledge of math. High school courses in health, biology, physiology, and typing are helpful. First aid or hospital experience is valuable.

Training & Skills: A **Hospital Corpsman** is trained in a Navy school. He learns first aid and minor surgery; laboratory procedures; basic anatomy; pharmacy; nursing; and dietetics.

A **Hospital Corpsman** may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Medical Technician
- Practical Nurse
- First Aid Attendant

METAL FINISHER

Title: METAL FINISHER

Civilian D.O.T. No. 705.884

Occupation: The **Metal Finisher** finishes surfaces of metal items by grinding, filing, sanding, and polishing, using hand and power tools, and a knowledge of metal finishing techniques.

Related Military Occupations:

Air Force	Metal Processing Specialist

Army	Metalworking Assistant
Coast Guard	Damage Controlman
Marine Corps	Metal Worker
Navy	Molder

Composite Service Job Statement: In the Armed Services, the **Metal Finisher** examines metals for fractures and other defects. He removes high and low areas in damaged parts using hand and power tools or by filing with molten, metal or plastic compounds. He files, grinds, sands and polishes to a smooth surface.

Related Occupations: (Civilian)

- Foundry Technician
- Metallurgical Tester
- Physical Lab Assistant

Title: METAL PROCESSING SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 53230

Occupation: A **Metal Processing Specialist** forges, welds, cuts and solders metal. He prepares the metal for processing and draws work sketches. He fabricates and repairs metal parts and components.

Interests & Qualifications: It is desirable that a **Metal Processing Specialist** complete high school. School courses in physics, chemistry, shop math and mechanical drawing are helpful. You must have a score of Mechanical 40 on the Armed Services Vocational Aptitude Battery. You need normal color vision.

This specialty is open to women.

Training & Skills: To be a **Metal Processing Specialist,** you must complete the Metal Processing Specialist course (15 weeks) at Chanute Air Force Base, Rantoul, Illinois. Instruction includes blueprint reading, layout development, repair set-ups, and fabrication of welding parts. Also included is instruction in the basic techniques of welding, cutting, soldering, brazing and hand-surfacing various types of metal.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Welder, Combination
- Heat Treater
- Blacksmith (Forging)

Title: METALWORKING ASSISTANT

Service: ARMY

AFSC/MOS/Rating: 44A

Occupation: A **Metalworking Assistant** helps in setting up, running, and maintaining all types of metal working tools. This equipment is used for machinery, welding, forging, and metal body repair.

Interests & Qualifications: A **Metalworking Assistant** needs to have mechanical skill and be able to reason well. He needs to solve problems. It's important to have good vision, eye-hand coordination and be able to work well with his hands. High school courses in math, physics, and sheetmetal shop are helpful. So is work experience in a welding or sheetmetal shop.

Training & Skills: Those entering this field are taught the basics of math, physics, and electrical and fuel systems. Also taught are the use of tools; gauges and testing equipment; the names, location and characteristics of weapons, vehicles and machines; and related safety precautions. They also learn to sand, buff and clean metal for painting; learn how to read mechanical drawings and learn how to assemble parts by employing various types of welding techniques.

Related Occupations: (Army)

- Metal Body Repairman
- Metalworking Foreman

Title: DAMAGE CONTROLMAN

Service: COAST GUARD

AFSC/MOS/Rating: DC

Occupation: The **Damage Controlman** installs and repairs pipe systems and fixtures for water, gas, steam, compressed air and waste disposal systems on all Coast Guard units. His duties also include firefighting, welding, and woodworking.

Interests & Qualifications: A **Damage Controlman** should be average or above in general learning ability. He should have mechanical aptitude. He should also be self-reliant, creative, and have poise under pressure. School courses in carpentry, metal working, machining, practical mathematics and chemistry are useful. Experience as a volunteer or full time fireman is also helpful.

Training & Skills: Upon completion of recruit training, the **Damage Controlman** may attend a 15-week school at Coast Guard Training Center, Governor's Island, New York. Or, he may receive on-the-job training and study course manuals and publications. The **Damage Controlman** may be asked to instruct and handle damage control parties. He is also responsible for the upkeep and repair of damage control equipment such as dewatering pumps, shoring gear and firefighting equipment.

Related Occupations: (Coast Guard)

- Machinery Technician

Title: METAL WORKER

Service: MARINES

AFSC/MOS/Rating: 1316

Occupation: The **Metal Worker** operates sheet metal forging and welding equipment. He works with fabricating, strengthening and/or modifying metals. He plans work by studying drawings or work orders.

Interests & Qualifications: Metal Worker is a position open to men and women. The **Metal Worker** likes to work with his hands. He enjoys welding and making things of metal.

Helpful high school courses include metal shop and mechanical drawing. It is also useful to learn basic math and physics.

Training & Skills: Depending on his grade, the **Metal Worker** needs to be able to make, install and fix sheet metal articles. He also must have the skills to forge, weld, temper, cut and braze sheet metal. In training, he studies forge, pattern layout, and welding. He also learns the theory and principles of sheet metal work. Training is available at Camp Lejeune, North Carolina for 6 weeks.

Related Occupations: (Marines)

- Repair Shop Machinist
- Body Repairman

Title: MOLDER

Service: NAVY

AFSC/MOS/Rating: ML

Occupation: A **Molder** operates a foundry aboard ship and at shore stations. He makes molds and cores, pours castings and bearings and identifies metals.

Interests & Qualifications: A **Molder** needs mechanical ability and physical strength. He should be interested in working with hand and power tools. High school courses in foundry, machine shop, and practical mathematics are helpful.

Training & Skills: A **Molder** learns to construct molds, to maintain furnace operation, to pour and finish castings, to heat-treat metals, and to use molder's tools and equipment. He receives his training by on-the-job instruction, the study of special manuals, or by attending Navy schools.

Related Occupations: (Civilian)

- Core Maker
- Furnace Operator
- Foundry Foreman
- Heat Treater

MISSILE MECHANIC

Title: MISSILE MECHANIC

Civilian D.O.T. No. 828.281

Occupation: The **Missile Mechanic** is an electronic mechanic who specializes in the maintenance and repair of missiles and missiles systems. He is guided by blueprints and manufacturer's technical specifications.

Related Military Occupations:

Air Force	Missile Mechanic
Army	Pershing Electrical-Mechanical Repairman
Coast Guard	Fire Control Technician
Marine Corps	Improved Hawk Fire Control Repairman
Navy	Missile Technician

Composite Service Job Statement: In the Armed Services, the **Missile Mechanic** repairs electrical and electronic equipment and works from blueprints and manufacturer's specifications and uses hand tools and test instruments. He tests faulty equipment and circuits to locate defects. He replaces defective parts and wiring and adjusts mechanical parts.

Related Occupations: (Civilian)

- Component Inspection Technician
- Electronics Specialist
- Radar Mechanic

Title: MISSILE MECHANIC

Service: AIR FORCE

AFSC/MOS/Rating: 44330

Occupation: A **Missile Mechanic** loads, transports, and hoists missiles into place. He also performs fuel inspection and does repair work on missile systems and related aerospace ground equipment.

Interests & Qualifications: It is desirable that a **Missile Mechanic** complete high school. School courses in math and physics are helpful. You must have a score of Mechanical 50 on the Armed Services Vocational Aptitude Battery. You must have normal color vision, have no record of emotional instability, be a U.S. citizen and be able to pass a reliability screening. Any past work you have done assembling, repairing, and servicing vehicles will be of great help.

This specialty is open to women.

Training & Skills: A Missile Mechanic course is offered at Sheppard Air Force Base, Wichita Falls, Texas (15 weeks). This course will teach you to transport, assemble and inspect missiles. Also, you will learn to service missiles with fuel and record and maintain missile records.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Rocket Engine Mechanic

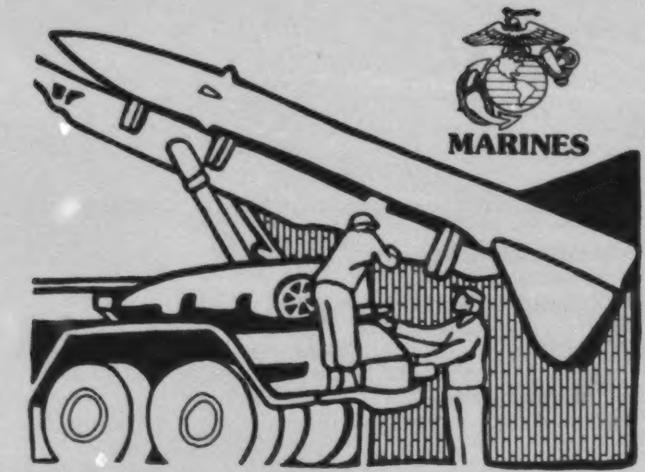
Title: PERSHING ELECTRICAL-MECHANICAL REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 46A

Occupation: A **Pershing Electrical-Mechanical Repairman** helps maintain missile equipment and parts. He also cares for hand tools and inspects equipment and supplies.

Interests & Qualifications: A **Pershing Electrical-Mechanical Repairman** needs to have mechanical skill in testing, adjusting and repairing equipment and have math skills for running tests. He must be able to reason well and solve problems; and read and discuss technical data. High school courses in algebra, trigonometry, physics, electricity/electronics (radio, TV), auto mechanics or metalworking are helpful.



Training & Skills: Those entering this field are taught basic electricity and physics to assist in troubleshooting, maintenance, repair and checkout of missile systems and related test equipment. He also learns to maintain equipment used for missile launching, support, and training. He is taught to work on missile mechanical, hydraulic and pneumatic equipment. He learns to perform visual inspections of launching and support instruments for defects.

Related Occupations: (Army)

- Hawk Mechanical Systems Repairman
- Sergeant Electrical-Mechanical Repairman

Title: FIRE CONTROL TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: FT

Occupation: The **Fire Control Technician** maintains and repairs electrical and mechanical equipment of weapon fire control systems. He uses oscilloscopes, megohmmeters, and various other test equipment.

Interests & Qualifications: Fire Control Technicians should have an aptitude for detailed mechanical work and be interested in electronics. They should be above average in their ability to solve math problems. School courses in electricity, algebra, physics, trigonometry, and shop are helpful. Also helpful is experience in the mechanical or electrical trades.

Training & Skills: After recruit training, the **Fire Control Technician** takes 31 weeks of schooling at the Naval Training Center, Great Lakes, Illinois. **Fire Control Technicians** learn to maintain and repair weapon control systems; make electronic and mechanical checks; and operate, test, lubricate, inspect, clean, adjust, align and calibrate weapon control systems components, radars, and sound powered telephone systems.

Related Occupations: (Coast Guard)

- Radarman
- Gunner's Mate

Title: IMPROVED HAWK FIRE CONTROL REPAIRMAN

Service: MARINES

AFSC/MOS/Rating: 5921

Occupation: The **Improved HAWK Fire Control Repairman** performs a variety of technical duties in connection with the HAWK missile system. He inspects and repairs such parts of the system as the pulse radar and battery control center.

Interests & Qualifications: A confidential security clearance will be required.

This repairman must have very good or corrected vision.

The **Improved HAWK Fire Control Repairman** should enjoy working with complex electronic equipment. Helpful high school courses include basic physics and math. Metal and machine shop would also be useful.

Training & Skills: Depending on his grade, the **Improved HAWK Fire Control Repairman** must know the fundamentals of electronics and radar circuitry. He must know basic theories of electricity, including AC, DC and magnetism. He must be able to read and understand schematics, wiring diagrams and technical data. He must be a graduate of Improved HAWK Fire Control Maintenance course, U.S. Army Air Defense School, Ft. Bliss, Texas.

Related Occupations: (Marines)

- Electronics Technician
- Ground Radar Technician
- Aviation Fire Control Repairman

Title: MISSILE TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: MT

Occupation: A **Missile Technician** maintains and repairs fleet ballistic missiles and their support and handling equipment. He also tests and adjusts missile equipment.

Interests & Qualifications: A **Missile Technician** must be able to pass the submarine qualifications test. He needs normal hearing and color perception. High school courses or experience in electronic, hydraulic or mechanical work are helpful.

Training & Skills: A **Missile Technician** is trained in basic electronics, hydraulics, and mechanics. He learns to load, test and prepare missiles for assembly and inspection. **Missile Technicians** attend Navy schools, study special manuals or learn through on-the-job training.

A **Missile Technician** may be stationed ashore or on submarines and submarine tenders.

Related Occupations: (Civilian)

- Calibration Equipment Specialist
- Test Equipment Repairman

MOTION PICTURE PROJECTIONIST

Title: MOTION PICTURE PROJECTIONIST

Civilian D.O.T. No. 960.382

Occupation: The **Motion Picture Projectionist** works with radio, TV films, and other audio-visual materials. He operates all types of sound and film equipment. He also does minor machine repair.

Related Military Occupations:

Army	Audio Specialist
Coast Guard	Photo-Journalist
Marine Corps	Audiovisual Equipment Operator
Navy	Tradevman

Composite Service Job Statement: In the Armed Services, the **Motion Picture Projectionist** operates all motion picture projectors, sound equipment and sound systems. He inserts and threads film into the projector, regulates light and adjusts sound reproducing equipment. He cleans lenses, oils equipment and performs other minor repairs. In some branches, persons in this field actually process photographs and shoot the motion picture footage.

Related Occupations: (Civilian)

- Cinematographer
- Motion Picture Inspector
- Theater Projectionist

Title: AUDIO SPECIALIST

Service: Army

AFSC/MOS/Rating: 84D

Occupation: An **Audio Specialist** operates and maintains audio equipment. This includes sound recordings, public address systems, multiple tapes, language labs, and audiovisual educational systems.

Interests & Qualifications: An **Audio Specialist** needs to have good eye-hand coordination and work well with his hands. He also needs good hearing and clear speech. He must be able to understand circuits and make sense out of garbled messages. High school courses in typing and other commercial subjects are helpful. Additionally helpful is work experience in an office or "HAM" radio as a hobby.

Training & Skills: Those entering this field are taught the basics of Army communications networks. Also taught are security rules and how to operate and repair the equipment to which they are assigned. He learns to assemble, locate and interconnect sound systems equipment. Sound and audio requirements are taught in order to maintain a proper balance between sounds being produced. He is taught how to interject sound effects during recording sessions and to monitor voice modulations.

Related Occupations: (Army)

- Still Photographer
- TV Cameraman
- Motion Picture Photographer

Title: PHOTO-JOURNALIST

Service: COAST GUARD

AFSC/MOS/Rating: PA

Occupation: The **Photo-Journalist** helps maintain Coast Guard morale by getting news to shipmates and the public about the Coast Guard. He does this through written and pictorial reports about personnel and activities.

Interests & Qualifications: The **Photo-Journalist** must have the ability to write clearly, accurately, and quickly. He should have above average learning ability and have a command of the English language. Good personality traits are attentiveness, initiative, creativity, and poise under pressure. School courses in English, journalism, and typing are advantageous. Helpful hobbies are writing and photography.

Training & Skills: Upon completion of recruit training, the future **Photo-Journalist** receives guidance from an experienced **Photo-Journalist** and further training from specially designed publications and correspondence courses. The **Photo-Journalist** learns to write news releases, television and radio scripts, and ship and station newspapers and brochures. In addition, he takes and processes photographs and shoots motion picture footage.

Related Occupations: (Coast Guard)

- None

Title: AUDIOVISUAL EQUIPMENT OPERATOR

Service: MARINES

AFSC/MOS/Rating: 4931

Occupation: The **Audiovisual Equipment Operator** runs movie and slide projectors and other such equipment in classrooms. He controls the lighting and sound equipment. He maintains the equipment and may train others.

Interests & Qualifications: Working with audiovisual equipment in high school would be helpful. Showing home movies and working with stereo systems are hobbies that might be useful.

The **Audiovisual Equipment Operator** should like to work with his hands.

The position is open to both men and women.

Training & Skills: Depending on his grade, the **Audiovisual Equipment Operator** must know how to operate a variety of movie projectors as well as slide and film-strip projects. He must also be able to run overhead and opaque projectors. He must be able to set up public address systems and tape recorders. With additional training, he may qualify as an Audiovisual Librarian or Audiovisual Equipment Technician.

Related Occupations: (Marines)

- Audiovisual Librarian
- Audiovisual Equipment Technician

Title: TRADEVMAN

Service: NAVY

AFSC/MOS/Rating: TD

Occupation: A **Tradevman** operates, tests, and repairs training equipment. He teaches people to use this equipment and keeps records of its use.

Interests & Qualifications: A **Tradevman** should have a clear speaking voice. He should be able to use numbers in practical problems. High school courses in math, physics, electricity, and shop work are helpful.

Training & Skills: A **Tradevman** learns to teach students through use of training equipment. He is taught to operate, service, and test training equipment and electronic circuits. The Navy provides training through on-the-job experience, manuals, and a Navy school.

A **Tradevman** works at naval schools, training centers, and naval Air stations.

Related Occupations: (Civilian)

- Electronics Technician
- Audio-visual Equipment Operator
- Electrician

MOTOR BOAT OPERATOR

Title: MOTOR BOAT OPERATOR

Civilian D.O.T. No. 911.883

Occupation: The **Motor Boat Operator** operates motor-driven boats to transport passengers and freight. He assits in loading and unloading cargo.

Related Military Occupations:

Army	Amphibian Operator
Coast Guard	Boatswain's Mate
Navy	Boatswain's Mate

Composite Service Job Statement: In the Armed Services, the **Motor Boat Operator's** duties include operating amphibious equipment and other small craft in support of various assignments. Usually, these operations consist of transporting people and supplies from ship to shore. Specific duties include basic piloting, seamanship, and navigation.

Related Occupations: (Civilian)

- Barge Captain
- Dredge Operator
- Dock Hand

Title: AMPHIBIAN OPERATOR

Service: ARMY

AFSC/MOS/Rating: 61D

Occupation: An **Amphibian Operator** operates Army amphibians. He surveys the beach and shore for cargo loading areas and he reads tide, current and navigational charts. (An amphibian is a craft that operates on both land and water.)

Interests & Qualifications: An **Amphibian Operator** needs mechanical skill and good eye-hand coordination. Helpful high school courses include driving and auto mechanics. Helpful hobbies or work experience would include driving automobiles, trucks or buses. He needs good hearing, vision and should be able to work well with his hands.

Training & Skills: Those entering this field are taught safety methods for operating vehicles during daylight, night or under blackout conditions. While much of the training is given on-the-job, service school courses are given for those who show ability and interest. In those courses, they learn to drive amphibian vehicles, how to transport cargo and personnel on land and water, how to moor, tow, maneuver around obstacles and learn the international rules of the road to observe while in operation.

Related Occupations: (Army)

- Amphibian Engineer
- Marine Engineer

Title: BOATSWAIN'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: BM

Occupation: The **Boatswain's Mate** is the master seaman — a person skilled in all phases of seamanship and supervision of deck personnel. He acts as an officer in charge of patrol boats, tugs, small craft and small shore units.

Interests & Qualifications: Boatswain's Mates must be leaders. They must be physically strong with good hearing and vision. They should be above average in general learning ability and be able to work well with their hands. School courses in algebra, geometry, and shop are helpful. Previous experience handling small boats is also helpful.

Training & Skills: After recruit training, the **Boatswain's Mate** begins regular shipboard duties under the direction of experienced personnel. He also studies appropriate training manuals and publications.

The **Boatswain's Mate** learns to do all the tasks necessary for the operation of small boats, navigation, entering or leaving port, storing cargo, and handling ropes and lines.

Related Occupations: (Coast Guard)

- Quartermaster

Title: BOATSWAIN'S MATE

Service: NAVY

AFSC/MOS/Rating: BM

Occupation: A **Boatswain's Mate** supervises cargo handling and storage; takes command of tugs, barges, and other small craft; and serves as a steersman. He supervises the deck crew; directs landing and rescue operations and teaches seamanship.

Interests & Qualifications: A **Boatswain's Mate** must have leadership ability and physical strength. His vision, hearing and manual dexterity must be good. High school courses in practical arithmetic, algebra, geometry and physics are helpful. Experience in handling small boats is valuable.

Training & Skills: A **Boatswain's Mate** is trained in small boat handling, piloting, and navigation. He learns all-round seamanship, cargo handling, and meteorology. He receives his training through on-the-job experience and the study of special manuals.

A **Boatswain's Mate** may be stationed aboard ship or on shore.

Related Occupations: (Civilian)

- Motorboat Operator
- Barge Operator
- Pier Superintendent

MUSICIAN

Title: MUSICIAN

Civilian D.O.T. No. 152.048

Occupation: The **Musician** directs, sings with, or plays an instrument with musical groups. He can perform alone or with a band, chorus, or orchestra.

Related Military Occupations:

Air Force	Instrumentalist
Army	Bandsman
Coast Guard	Musician
Marine Corps	Bandsman
Navy	Musician

Composite Service Job Statement: In the Armed Services, the **Musician** plays a musical instrument or is involved with related band, vocal, or orchestral duties. He is able to perform as a soloist, an accompanist, or as a part of a musical group. He plays music in many situations and may improvise or compose scores. He may also direct a group or teach. The **Musician** sometimes assists in listing, indexing, and filing music, and also in the maintenance and minor repair of musical equipment.

Related Occupations: (Civilian)

- Musical Entertainer
- Orchestra Leader
- Teacher, Music

Title: INSTRUMENTALIST

Service: AIR FORCE

AFSC/MOS/Rating: 87130

Occupation: An **Instrumentalist** plays a musical instrument or instruments. He performs in military concerts, marching bands, dance orchestras, and other groups.

Interests & Qualifications: It is desirable that an **Instrumentalist** complete high school. School courses in music theory, harmony, ear training and ranges are helpful. You must have a score of Administrative or General 40 on the Armed Services Vocational Aptitude Battery. You must complete an audition.

This specialty is open to women.

Training & Skills: An **Instrumentalist** learns to perform minor maintenance on musical equipment. He also maintains music libraries and arranges for rehearsal activities. He may read or sing vocal parts, arrange music or supervise band personnel. The applicant must be proficient in a particular instrument prior to enlistment.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Musician, Instrumental
- Music Librarian

Title: BANDSMAN

Service: ARMY

AFSC/MOS/Rating: 02

Occupation: A **Bandsman** performs in combos, show bands, or instrumental ensembles. He may be skilled in playing one or several brass, woodwind or percussion instruments. He may also perform in parades or marching bands.

Interests & Qualifications: A **Bandsman** needs the ability to play without sheet music, a high degree of eye-hand coordination, and good finger dexterity. He should also be able to identify pitch, quality, and rhythm of music. Good near vision and hearing are very important.

Training & Skills: Those entering this field are taught to play selected passages from standard band literature and stock dance band arrangements. They are trained to develop better hand and finger skills in performing and to develop listening skills so they can recognize pitch, quality and rhythm of music. Those who show talent and ability can be given training and move up to a position as an enlisted band leader.

Related Occupations: (Army)

- Brass or Woodwind Player
- Coronet or Trumpet Player

Title: MUSICIAN

Service: COAST GUARD

AFSC/MOS/Rating: MU

Occupation: A Coast Guard **Musician** plays a musical instrument. He performs at various functions and may appear in concert, with a marching band, or at special ceremonies.

Interests & Qualifications: A **Musician** must have a demonstrated skill on a musical instrument. He must apply to the band director at the Coast Guard Academy. If a vacancy occurs, he will audition at the Academy (New London, Connecticut). If selected, he will enter the coast guard with an E5 or an E6 rating.

Training & Skills: A **Musician** must meet the general Coast Guard enlistment standards. He will learn to drill with marching bands; learn to maintain a musical library; and learn to repair and adjust musical equipment.

He will also play music from scores or memory while standing or marching. He may arrange and coordinate rehearsals.

Related Occupations: (Coast Guard)

- None

Title: BANDSMAN

Service: MARINES

AFSC/MOS/Rating: 5519

Occupation: The **Bandsman** plays a musical instrument in the Marine Corps. He may play in concerts, parades, honor guards, guard mounts, and other functions and ceremonies.

Interests & Qualifications: Bandsman is a position open to men and women.

A variety of band and music courses in high school provide useful background. Extra curricular activities are also useful.

He may need to master new skills such as memorizing music and copying music accurately.

Training & Skills: Depending on his grade, the **Bandsman** needs to have the following skills: he needs to know the terms and signs commonly used in band music literature; he needs to know the fundamentals of notation, meter, and rhythm. He must be able to play assigned parts of the national anthem and Marine hymn from memory. A 12-week drum and bugle corps course is required at Parris Island, North Carolina.

Related Occupations: (Marines)

- Field Music Bugler

Title: MUSICIAN

Service: NAVY

AFSC/MOS/Rating: MU

Occupation: A **Musician** performs in a band or orchestra for military ceremonies, concerts, parades, religious services, and recreational activities. He composes and arranges music.

Interests & Qualifications: A **Musician** should have training in vocal or instrumental music. He must be able to pass a Navy audition.

Training & Skill: A **Musician** receives training at the U.S. Naval School of Music. He studies vocal or instrumental performance, harmony and theory, band management, conducting, composing and arranging, and music history.

A **Musician** may be stationed ashore or at sea.

Related Occupations: (Civilian)

- Arranger
- Conductor
- Vocalist
- Band Leader
- Composer

NUCLEAR WEAPONS MECHANICAL SPECIALIST

Title: NUCLEAR WEAPONS MECHANICAL SPECIALIST

Civilian D.O.T. No. 632.281

Occupation: The **Nuclear Weapons Mechanical Specialist** inspects, tests, maintains, stores, and prepares for use, radiological munitions. He uses hand and power tools, test equipment, and special handling equipment.

Related Military Occupations:

Air Force	Nuclear Weapons Specialist
Army	Nuclear Weapons Maintenance Specialist
Marine Corps	Explosive Ordnance Disposal Technician
Navy	Gunner's Mate

Composite Service Job Statement: In the Armed Services, the **Nuclear Weapons Mechanical Specialist** inspects, tests, maintains, stores, and prepares for use radiological munitions. Using prescribed gauges and test equipment he tests and inspects material for functioning and serviceability.

Related Occupations: (Civilian)

- Accelerator Operator
- Reactor Service Operator
- Test Reactor Operator

Title: NUCLEAR WEAPONS SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 46330

Occupation: The **Nuclear Weapons Specialist** inspects, assembles, tests, maintains, repairs, and modifies nuclear weapons/warheads, re-entry vehicles, and related components and test equipment.

Interests & Qualifications: To be a **Nuclear Weapons Specialist,** you must complete high school or have the GED equivalent. School courses in math and physics are helpful. You must have a score of Electronic 70 on the Armed Services Vocational Aptitude Battery. (Mechanical 50 or higher is acceptable) You must have normal color vision and depth perception, have no record of emotional instability, and be a U.S. citizen. This specialty is open to women.

Training & Skills: An Air Force **Nuclear Weapons Specialist** must complete the Nuclear Weapons Specialist course (15 weeks) at Lowry Air Force Base, Denver, Colorado. Training includes inspection, assembly and systems testing of nuclear weapons. You will also learn to maintain and repair nuclear weapons.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Electrical Equipment Tester
- Radio Repairman
- Radio Mechanic

Title: NUCLEAR WEAPONS MAINTENANCE SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 55G

Occupation: A **Nuclear Weapons Maintenance Specialist** maintains nuclear and surveillance weapons and their electrical, mechanical, and nuclear components.

Interests & Qualifications: A **Nuclear Weapons Maintenance Specialist** needs to have mechanical skill. He needs to be able to reason well, solve problems, and be able to understand and explain technical directions. High school courses in chemistry, math or electricity are helpful. Experience in construction or excavation is also valuable for persons entering this field.

Training & Skills: Those training as **Nuclear Weapons Maintenance Specialists** learn to load, unload, store and transport nuclear weapons. In addition, they learn to use the needed tools safely, to test and adjust mechanical parts, and to perform tests and make adjustments on weapons. They are also taught to perform receipt, storage and issue functions to clean weapon components, to take them apart and replace worn parts, and to perform inventory and keep track of all orders filled and shipped.

Related Occupations: (Army)

- Ammunition Helper
- Ammunition Storage and Operations Specialist

Title: EXPLOSIVE ORDNANCE DISPOSAL TECHNICIAN

Service: MARINES

AFSC/MOS/Rating: 2336

Occupation: The **Explosive Ordnance Disposal Technician** finds and disposes of unexploded bombs and ammunition. He also does a variety of tasks related to making safe the explosive parts of nuclear, biological and chemical munitions.

Interests & Qualifications: Becoming an **Explosive Ordnance Disposal Technician** is voluntary. A top secret security clearance will be required.

Helpful high school courses include math, chemistry, physics, and mechanical arts. This technician must know how to work very carefully with dangerous materials.

Training & Skills: According to his grade, this technician must be able to identify all common types of friendly and enemy explosive ordnances. In training, he studies the characteristics of projectiles, bombs, mines and fuses. He also studies ammunition inspection and demolition. Training programs include: Surface Explosive Ordnance Disposal (Nuclear Weapons); Explosive Ordnance Disposal School, Indian Head, Maryland for 19 weeks and Surface Explosive Ordnance Disposal Refresher for 4 weeks at the same location.

Related Occupations: (Marines)

- Rock Quarryman
- Combat Engineer
- Ammunition Technician

Title: GUNNER'S MATE

Service: NAVY

AFSC/MOS/Rating: GM

Occupation: The **Gunner's Mate** operates and maintains guided missile launching systems, rocket launchers, and other gunnery systems and equipment. He controls the storage and use of explosives. He trains crews in the use of guns.

Interests & Qualifications: A **Gunner's Mate** needs to have mechanical skill. High school courses in arithmetic, shop mathematics, electricity, physics, and shop work are helpful.

Training & Skills: A **Gunner's Mate** learns to use tools and measuring equipment; to maintain gunnery equipment; to handle explosives; and to operate gunnery equipment. He learns by on-the-job training, by studying special books, or by going to a Navy school.

A **Gunner's Mate** may be stationed on fighting ships, at weapons installations, ordnance depots, or shore stations.

Related Occupations: (Civilian)

- Small Arms Instructor
- Firearms Assembly Foreman
- Gunsmith

NURSE (AID)

Title: NURSE (AID)

Civilian D.O.T. No. 355.878

Occupation: The **Nurse (Aid)** works in a hospital and assists in the care of patients. The **Nurse (Aid)** distributes medicine, changes beds, and keeps patients' progress reports. The **Nurse (Aid)** also takes blood pressure and administers injections.

Related Military Occupations:

Army	Medical Specialist
Coast Guard	Hospital Corpsman
Navy	Hospital Corpsman

Composite Service Job Statement: In the Armed Services, The **Nurse (Aid)** assists in the care of hospital patients under the direction of the nursing and medical staff. The **Nurse (AID)** bathes, dresses, and undresses patients; serves and collects food; and transports patients to treatment areas. The **Nurse (AID)** also takes and records temperatures, pulse and respiration and food and liquid intake and discharge.

Related Occupations: (Civilian)

- Hospital Attendant
- Psychiatric Aid
- Orderly

Title: MEDICAL SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 91B

Occupation: A **Medical Specialist** performs basic medical care and treatment. He helps set-up and move field medical facilities. He also drives the ambulance.

Interests & Qualifications: A **Medical Specialist** must be stable, dependable, and be able to work closely with others. High school courses in first aid, hygiene, chemistry or biology are helpful. Work experience as a doctor's assistant or nurse's aid is also advantageous.

Training & Skills: While the Army provides all the training needed in this field, any previous knowledge about medical care will be helpful. Among the skills taught by the Army are emergency first aid techniques and how to clean and dress minor wounds.

Related Occupations: (Army)

- Clinical Specialist
- Operating Room Specialist

Title: HOSPITAL CORPSMAN

Service: COAST GUARD

AFSC/MOS/Rating: HM

Occupation: The **Hospital Corpsman** is responsible for a variety of medical duties. He performs minor surgery repairs, preventive medicine inspections, pest control operations, and knows medical administration. He also conducts first aid and health classes and lectures.

Interests & Qualifications: The **Hospital Corpsman** should be average or above in learning ability. Interests should be towards the natural sciences. School courses in anatomy and physiology, biology, chemistry, general math, English composition, and typing provide an excellent background.

Training & Skills: After recruit training, the **Hospital Corpsman** receives 24 weeks of instruction and practical application at the Coast Guard Academy, New London, Connecticut. He is trained in anatomy and physiology, physical diagnosis, treatment, laboratory procedures, x-ray techniques, minor surgery, pharmacy, first aid, pest control, and preventive medicine.

Related Occupations: (Coast Guard)

- Dental Technician

Title: HOSPITAL CORPSMAN

Service: NAVY

AFSC/MOS/Rating: HM

Occupation: A **Hospital Corpsman** performs medical and clerical duties. He takes and develops x-rays, performs laboratory tests, fills prescriptions, and assists in hospital food service programs. He applies first aid as well.

Interests & Qualifications: A **Hospital Corpsman** should have a desire to help others and a friendly personality. He should have a practical knowledge of math. High school courses in health, biology, physiology, and typing are helpful. First aid or hospital experience is valuable.

Training & Skills: A **Hospital Corpsman** is trained in a Navy school. He learns first aid and minor surgery; laboratory procedures; basic anatomy; pharmacy; nursing; and dietetics.

A **Hospital Corpsman** may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Medical Technician
- First Aid Attendant
- Practical Nurse

OCEANOGRAPHER

Title: OCEANOGRAPHER

Civilian D.O.T. No. 024.081

Occupation: The **Oceanographer** studies oceans and the phenomena which occur. He studies ocean components, currents and tides, conducts research, and takes samples to review in his lab.

Related Military Occupations:

Coast Guard	Marine Science Technician

Composite Service Job Statement: In the Armed Services, the **Oceanographer** studies topographic features, rocks and sediments of ocean bottoms. He conducts research and studies samples in the lab. He makes visual and instrumental weather and oceanographic observations for weather interpretation and advice to be used in search and rescue operations. In some branches, persons in this field are involved with sonar applications to underwater search and research.

Related Occupations: (Civilian)

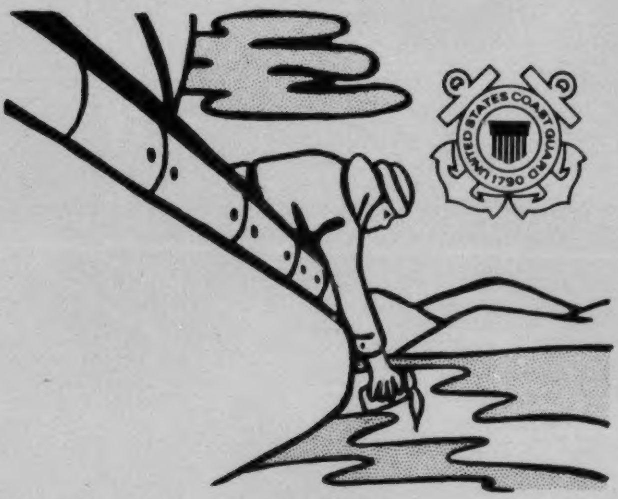
- Geophysical Prospector
- Mineralogist
- Seismologist

Title: MARINE SCIENCE TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: MST

Occupation: The **Marine Science Technician** observes, collects, analyzes and disseminates meteorological and oceanographic data. He makes visual and instrumental weather observations. He also conducts routine chemical analysis.



Interests & Qualifications: Marine Science Technicians should be above average in general learning ability. They should have an aptitude for math. School courses in algebra, trigonometry, chemistry, physics, and typewriting are very helpful. Training or experience in meteorology, oceanography or astronomy is of great value.

Training & Skills: Upon completion of recruit training, **Marine Science Technicians,** take 16 weeks training at Coast Guard Reserve Training Center, Yorktown, Virginia. Additional duties of a **Marine Science Technician** may include learning to trouble-shoot and maintain instruments; learning to code and decode; and keeping charts, records, and logs. Information collected by the **Marine Science Technician** is used for civilian purposes as well as for the Armed Services.

Related Occupations: (Coast Guard)

- None

OFFICE MACHINE SERVICEMAN

Title: OFFICE MACHINE SERVICEMAN

Civilian D.O.T. No. 633.281

Occupation: The **Office Machine Serviceman** is familiar with most kinds of office machines and their use. He is able to perform maintenance work and repair and replace parts as is necessary.

Related Military Occupations:

Army	Office Machine Repairman
Coast Guard	Yeoman
Marine Corps	Office Machine Repairman
Navy	Instrumentman

Composite Service Job Statement: In the Armed Services, the **Office Machine Serviceman** repairs and services office machines. These include adding machines, accounting machines, calculators and typewriters. He uses hand tools, micrometers, and welding equipment to make adjustments and operates all kinds of machines to test moving parts.

Related Occupations: (Civilian)

- Machine Adjuster
- Maintenance Mechanic
- Engineer, Automated Equipment

Title: OFFICE MACHINE REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 41J

Occupation: An **Office Machine Repairman** works on office machines. He spots problems, test operates, cleans, adjusts, lubricates and replaces worn parts.

Interests & Qualifications: An **Office Machine Repairman** must have mechanical skill. He must be able to reason well and solve problems. Good vision, eye-hand coordination and ability to work well with his hands are important. High school courses in math, physics or shop are helpful, as are work experiences in auto or farm machinery repair.

Training & Skills: Those entering this field are taught the basics of math, physics and electrical and fuel systems. Also taught are the uses of tools, gauges and testing equipment, the names, location and characteristics of different office machines and related safety precautions.

They learn to assemble and disassemble machines and how to use air machines to blow away dust particles.

Related Occupations: (Army)

- Camera Repairman
- Photographic Equipment Repair Chief
- Projector Repairman

Title: YEOMAN

Service: COAST GUARD

AFSC/MOS/Rating: YN

Occupation: The **Yeoman** performs a wide variety of administrative functions including preparation and typing of letters and reports, maintenance of personnel and unit records, distribution of official and personal mail, and court reporter for Courts-Martial and Boards of Inquiry.

Interests & Qualifications: Yeomen need qualifications similar to those of secretaries, stenographers and typists in private industry. **Yeomen** should be above average in general learning ability, should possess a degree of manual dexterity and must be able to work well with others in an office organization. Courses in English and in business subjects such as typewriting and filing are very useful.

Training & Skills: Upon completion of recruit training, special training for **Yeoman** begins with 13-weeks of instruction at Coast Guard Training Center, Petaluma, California. Sometimes, training is received on-the-job. Sometimes by studying special manuals. **Yeoman** duties may include typing 30 to 50 words per minute; taking dictation; writing letters and other documents; serving as a unit mail man; compiling and keeping records; supervising some or all of these activities.

Related Occupations: (Coast Guard)

- Storekeeper

Title: OFFICE MACHINE REPAIRMAN

Service: MARINES

AFSC/MOS/Rating: 3241

Occupation: The **Office Machine Repairman** adjusts and repairs office machines such as typewriters and adding machines. Cleaning office machines by special procedures is also part of his job.

Interests & Qualifications: This position is open to both men and women.

The **Office Machine Repairman** should like to work with his hands and fix things.

Helpful high school courses include typing and shop. Useful hobbies involve tinkering with machines and fixing them.

Training & Skills: According to his grade, the **Office Machine Repairman** must be able to use and care for tools and equipment used in repair work. He must be able to clean, service, and adjust office machines as well as repair them.

He must know how to keep records of the work he completes and parts used. A 21-week office machine repairman course is available at Ft. Lee, Virginia.

Related Occupations: (Marines)

- None

Title: INSTRUMENTMAN

Service: NAVY

AFSC/MOS/Rating: IM

Occupation: An **Instrumentman** maintains and repairs mechanical instruments such as meters, clocks, and office machines. He tests and reconditions testing instruments and makes new parts.

Interests & Qualifications: An **Instrumentman** needs mechanical skill. He should be able to do fine, detailed work. High school courses in blueprint reading, shop and typing are helpful. Experience in watchmaking or office machine repair is valuable.

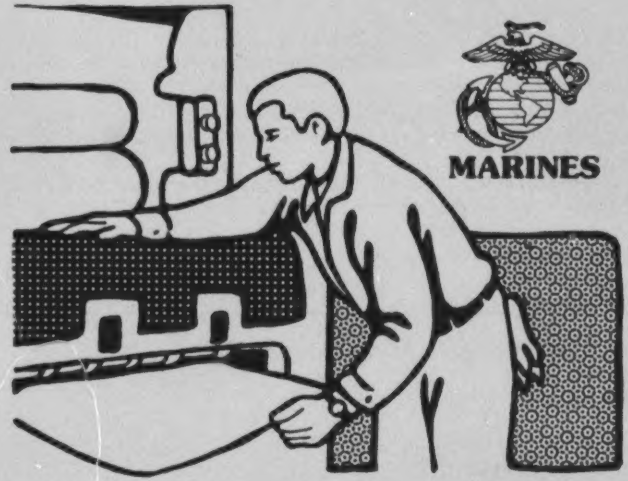
Training & Skills: An **Instrumentman** receives training in the repair of office machines, the operation of mechanical instruments, the repair of gauges and test instruments, and the use of hand power tools. An **Instrumentman** learns through on-the-job training experience, the study of special manuals, or by attending a Navy school.

He may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Meter Repairman
- Office Machine Serviceman
- Tool Clerk

OFFSET PRESSMAN



Title: OFFSET PRESSMAN

Civilian D.O.T. No. 651.782

Occupation: The **Offset Pressman** makes ready and operates offset printing presses to produce printed material. He examines proof and adjusts press controls to obtain specific color registration.

Related Military Occupations:

Army	Offset Pressman
Marine Corps	Duplicating Man
Navy	Lithographer

Composite Service Job Statement: In the Armed Services, the **Offset Pressman** operates lithographic offset presses for reproduction of printed materials. He operates hand and automatic bindery equipment and performs maintenance on offset and bindery units. He lubricates press and bindery equipment, inspects for worn or malfunctioning parts, loose screws and bolts and dirty bearings. He also replaces minor worn or broken parts and prepares the lithographic press for press run.

Related Occupations: (Civilian)

- Cylinder Press Operator
- Design Printer
- Engraving Press Operator

Title: OFFSET PRESSMAN

Service: ARMY

AFSC/MOS/Rating: 83F

Occupation: An **Offset Pressman** operates an offset press to reproduce maps, charts, illustrations and various documents. He services and cleans the press, checks plates and proofs copy for errors and replaces broken parts.

Interests & Qualifications: An **Offset Pressman** must know basic math. He must be able to pay attention to detail, to understand technical data, and to work well with his hands. Good eye-hand coordination and normal vision is important. High school courses in math, mechanical drawing, drafting, art are all helpful.

Training & Skills: Those entering this field are taught the basics of lettering, map printing, names and terms, symbols, shading and profiles used to represent mechanical parts, electrical circuits and features of the ground surface. They learn to examine and compare printing plates, mix water and etch solutions and spot print and correct errors on copy.

Related Occupations: (Army)

- Photolithography Chief
- Printer's Apprentice

Title: DUPLICATING MAN

Service: MARINES

AFSC/MOS/Rating: 1521

Occupation: The **Duplicating Man** finishes and binds booklets, pamphlets, and other printed matter. He works with duplicating, copying and binding equipment.

Interests & Qualifications: This position is open to both men and women.

The **Duplicating Man** should enjoy operating a variety of kinds of machines. He needs to have normal color perception. He needs to know how to follow a number of instructions.

Helpful high school courses include basic math, physics and chemistry.

Training & Skills: The **Duplicating Man** must be able to set up and operate under supervision a number of kinds of duplicating equipment. He needs to know how to determine various paper types and weight and how to select appropriate paper and inks. A 5-9 week training course is available at Ft. Belvior, Virginia.

Related Occupations: (Marines)

- Basic Printing and Reproduction Man
- Offset Pressman

Title: LITHOGRAPHER

Service: NAVY

AFSC/MOS/Rating: LI

Occupation: A **Lithographer** performs the duties required in Navy offset lithography and letterpress printing. These include copy preparation, camera work, platemaking, typesetting, presswork, binding, and proofreading.

Interests & Qualifications: A **Lithographer** should have ability in spelling, arithmetic, and grammar. He must be able to work with machinery and chemicals. An interest in photography and printing is important. High school courses in typing, mathematics, printing, physics, chemistry, and English are helpful. Experience in lithography printing or photography is valuable.

Training & Skills: A **Lithographer** learns process photography, lithographic platemaking, offset press operation, and reproduction equipment repair. He is trained on-the-job and at Navy schools.

A **Lithographer** may be stationed ashore and at sea.

Related Occupations: (Civilian)

- Printer
- Bookbinder
- Photolithographer
- Offset Pressman
- Cameraman

OPTICAL TECHNICIAN

Title: OPTICAL TECHNICIAN

Civilian D.O.T. No. 711.138

Occupation: The **Optical Technician** works in an optical lab making glasses and shaping contacts for patients to wear. He is trained in the use of various tools and repairs optical equipment.

Related Military Occupations:

Army	Optical Laboratory Specialist
Marine Corps	Optical Instrument Repairman
Navy	Opticalman

Composite Service Job Statement: In the Armed Services, the **Optical Technician** supervises and coordinates activities of workers engaged in assembling, repairing, and inspecting optical instruments. These instruments include field glasses, telescopes, gunsights, compasses, and military sighting equipment.

Related Occupations: (Civilian)

- Contact Lens Dispenser
- Lens Grinder
- Prism Measurer

Title: OPTICAL LABORATORY SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 42E

Occupation: The **Optical Laboratory Specialist** makes prescription lenses. He duplicates and inserts prescription lenses in spectacle frames and gas masks. He makes minor repairs and adjustments to optical machines.

Interests & Qualifications: Normal vision, finger dexterity and eye-hand coordination are needed by the **Optical Laboratory Specialist.** He needs to have general mechanical aptitude and interests. Background courses in the sciences would be very helpful.

Training & Skills: The **Optical Laboratory Specialist** is trained to interpret prescriptions, measure, compute and mark lenses for thickness needed. He learns to cut and polish lenses to desired perfection and to mount them into frames with common handtools. As he progresses in his work, he learns to determine categories of maintenance and is able to provide guidance to personnel repairing complex optical equipment.

Related Occupations: (Army)

- Surveillance Photographic Equipment Repairman

Title: OPTICAL INSTRUMENT REPAIRMAN

Service: MARINES

AFSC/MOS/Rating: 2171

Occupation: The **Optical Instrument Repairman** works with a number of instruments used to control weapons fire. He works with precision measuring tools to check binoculars, aiming circles, range finders and telescopes.

Interests & Qualifications: This position is open to both men and women.

The **Optical Instrument Repairman** should like to work with his hands with precise measuring equipment. The instruments he works on are rather small. Therefore, he should have good control of his fingers for close work.

Helpful high school courses include physics, machine and metal shop.

Training & Skills: Depending on his grade, the **Optical Instrument Repairman** must know basic principles of optical theory. He needs to have a general knowledge of reading blueprints and diagrams and how to use the ordnance supply manuals correctly. A 17-week Optical Instrument Repairman course is available at Aberdeen Proving Ground, Maryland.

Related Occupations: (Marines)

- Repair Shop Machinist
- Weapon Technician
- Tank Turret Repairman

Title: OPTICALMAN

Service: NAVY

AFSC/MOS/Rating: OM

Occupation: An **Opticalman** maintains and repairs optical instruments. These include binoculars, gunsights, periscopes, drafting machines and sextants. He also makes parts for this equipment to suit specific needs.

Interests & Qualifications: An **Opticalman** needs mechanical skill. He must be able to do close, exact and detailed work. High school courses in physics, shop mathematics and machine shop are helpful. Experience in optical or camera manufacturing is valuable.

Training & Skills: The **Opticalman** receives training in basic machine shop, fundamentals of optics, optical instrument repair and construction of optical parts. He learns by on-the-job training, the study of special manuals, or by attending a Navy school.

An **Opticalman** may be stationed aboard ship or at repair facilities ashore.

Related Occupations: (Civilian)

- Camera Repairman
- Tool Maker
- Instrument Technician
- Optical Inspector

ORDNANCEMAN

Title: ORDNANCEMAN

Civilian D.O.T. No. 632.281

Occupation: The **Ordnanceman** inspects, tests, maintains, stores and prepares ordnance materials for use.

Related Military Occupations:

Army	Field Artillery Crewman
Coast Guard	Gunner's Mate
Marine Corps	Field Artillery Batteryman
Navy	Aviation Ordnanceman

Composite Service Job Statement: In the Armed Services, an **Ordnanceman** handles and maintains bombs, rockets, missiles, mines and other types of munitions. He disassembles, repairs and reassembles various types of ordnance, using handtools, power tools, and material-handling equipment.

Related Occupations: (Civilian)

- Gunsmith
- Inspector, Firearms
- Artillery Maintenance Foreman

Title: FIELD ARTILLERY CREWMAN

Service: ARMY

AFSC/MOS/Rating: 13B

Occupation: A **Field Artillery Crewman** assists in laying, putting together and taking apart field artillery. He performs general maintenance on weapons and also selects weapon targets.

Interests & Qualifications: A **Field Artillery Crewman** needs to have mechanical skill to operate complex equipment. He also needs math skills and skills in reading maps and drawings. Ability in reading and understanding technical instructions is useful. High school courses in math, sheet metalworking and auto mechanics are helpful. Experience in driving and taking care of motor vehicles is good preparation for this field.

Training & Skills: Training in this field covers the basic of direct and indirect fire; types and handling of artillery ammunition; firing procedures; and capabilities of defensive weapons used. He learns to drive wheel vehicles, to assemble and disassemble field artillery weapons, how to service weapon hydraulic systems and how to figure the correct adjustment of fire control equipment.

Related Occupations: (Army)

- Field Artillery Basic
- Operation/Fire Directions Assistant

Title: GUNNER'S MATE

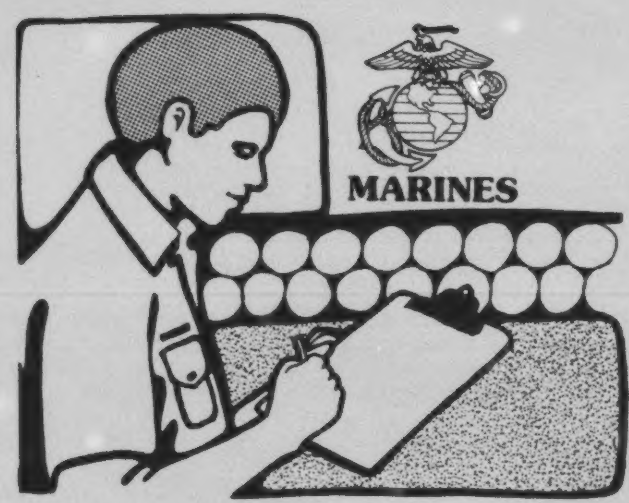
Service: COAST GUARD

AFSC/MOS/Rating: GM

Occupation: The **Gunner's Mate** is an expert in everything from small arms to rocket launchers. He operates, maintains, and repairs all gunnery equipment and handles ammunition.

Interests & Qualifications: A **Gunner's Mate** should be above average in general learning ability. He should have a high degree of mechanical aptitude. School training in mathematics, electricity, physics, and shop work provides a helpful background.

Training & Skills: Upon completion of recruit training, the **Gunner's Mate** may take 18 weeks of training at Coast Guard Training Center, Governor's Island, New York. Sometimes, training is on-the-job and study of manuals and publications. He learns to operate, maintain, and repair small arms, torpedo tubes, mortars, guns, gun mounts, and related equipment. He also inspects electric, hydraulic, and mechanical gunnery systems. He inspects or supervises the inspection of ammunition and ordnance components.



Related Occupations: (Coast Guard)

- Fire Control Technician

Title: FIELD ARTILLERY BATTERYMAN

Service: MARINES

AFSC/MOS/Rating: 0811

Occupation: The **Field Artillery Batteryman** prepares artillery equipment for movement, combat, and firing. He also prepares ammunition for firing. Cleaning and repairing equipment are part of his duties.

Interests & Qualifications: The **Field Artillery Batteryman** likes to work with his hands. Helpful hobbies are hunting and target shooting. Knowing about guns and how to clean and repair them is also helpful.

Training & Skills: The **Field Artillery Batteryman** needs to know how to carry out all commands in an artillery section. He should know principles of fire direction and survey methods. He studies basic electricity and electronics as well as basic math and weather principles. A 5-week field skill training course is available at First Marine Division, Camp Pendleton, California.

Related Occupations: (Marines)

- Tank and Amphibian Tractor

Title: AVIATION ORDNANCEMAN

Service: NAVY

AFSC/MOS/Rating: AO

Occupation: The **Aviation Ordnanceman** inspects, maintains, and repairs aircraft armament systems. Duties include servicing guns, assembling and loading ammunition, and assembling, leaving, and testing guided missiles.

Interests & Qualifications: The **Aviation Ordnanceman** needs mechanical and mathematical aptitude. He also needs normal vision and good learning ability. Helpful high school courses include algebra, physics, and electricity. Previous experience in electrical or mechanical repair work also provides a good background for this rating.

Training & Skills: After completing basic training the **Aviation Ordnanceman** prepares for this rating through self-study, on-the-job instruction, or special schooling. Skills learned include how to use hand tools and blueprints; how to take apart and assemble aircraft armaments, and how to handle and operate fuses, projectiles, bombs, torpedoes, rockets, and missiles.

Related Occupations: (Civilian)

- Ordnanceman
- Instrumentman
- Aircraft Armorer
- Armament Inspector

PERSONNEL CLERK

Title: PERSONNEL CLERK

Civilian D.O.T. No. 205.368

Occupation: The **Personnel Clerk** maintains records of personnel activities. He files information from applications, makes reports, and acts as a liaison between the employees and management.

Related Military Occupations:

Air Force	Personnel Specialist
Army	Personnel Records Specialist
Coast Guard	Yeoman
Marine Corps	Personnel Clerk
Navy	Personnelman

Composite Service Job Statement: In the Armed Services, the **Personnel Clerk** maintains service records and posts information such as promotions, awards, assignments and test results using a typewriter. He compiles personnel data, reviews records and verifies source documents with the individual concerned. He plans separation and reenlistment procedures for military personnel and prepares separation and reenlistment forms. He compiles and routes efficiency reports.

Related Occupations: (Civilian)

- Agent Contract Clerk
- Employment Clerk
- Admissions Evaluator

Title: PERSONNEL SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 73230

Occupation: A **Personnel Specialist** prepares personnel action requests and other source documents including unit, field, and master personnel records. Other duties include input in personnel systems management and advising on career development.

Interests & Qualifications: It is desirable that a **Personnel Specialist** complete high school. School courses in English, typing and speech are helpful. You must have a score of Administrative 60 on the Armed Services Vocational Aptitude Battery. You must be able to speak clearly, have unrestricted use of the fingers and arms, and be able to attain a typing rate of 35 words per minute.

This Air Force specialty is open to women.

Training & Skills: The Air Force offers a Personnel Specialist course at Keesler Air Force Base, Biloxi, Mississippi (10 weeks). Training includes instruction in preparation of personnel records; preparation of military correspondence; consolidated base personnel office organization; basic principles of personnel data systems; and techniques in handling career development.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Employment Clerk
- Personnel Clerk

Title: PERSONNEL RECORDS SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 75D

Occupation: A **Personnel Records Specialist** keeps officer and enlisted personnel records. He accounts for data added to and taken from each file and sees to it that all files are complete and up-to-date.

Interests & Qualifications: A **Personnel Records Specialist** needs to be able to work closely with others and make decisions. This person also needs to have office skills and know office procedures. High school courses in business are helpful. Office experience is also valuable for persons interested in this occupation.

Training & Skills: Those entering this field are trained in writing and typing records, reports and forms using the Army file system and learning basic clerical procedures. They are taught how to prepare and keep personnel records on evaluation reports, medical examinations, immunizations, promotions, and expirations of terms of service; how to screen personnel actions and request; how to review personnel status records for completeness and accuracy, and how to prepare data change reports and security questionnaires.

Related Occupations: (Army)

- Personnel Actions Specialist
- Finance Specialist

Title: YEOMAN

Service: COAST GUARD

AFSC/MOS/Rating: YN

Occupation: The **Yeoman** performs a wide variety of administrative functions including preparation and typing of letters and reports, maintenance of personnel and unit records, distribution of official and personal mail, and court reporter for Courts-Martial and Boards of Inquiry.

Interests & Qualifications: Yeomen need qualifications similar to those of secretaries, stenographers and typists in private industry. **Yeomen** should be above average in general learning ability, should possess a degree of manual dexterity and must be able to work well with others in an office organization. Courses in English and in business subjects such as typewriting and filing are very useful.

Training & Skills: Upon completion of recruit training, special training for **Yeoman** begins with 13-weeks of instruction at Coast Guard Training Center, Petaluma, California. Sometimes, training is received on-the-job, sometimes by studying special manuals. Yeoman duties may include typing 30 to 50 words per minute; taking dictation; writing letters and other documents; serving as a unit mail man; compiling and keeping records; supervising some or all of these activities.

Related Occupations: (Coast Guard)

- Storekeeper

Title: PERSONNEL CLERK

Service: MARINES

AFSC/MOS/Rating: 0121

Occupation: The **Personnel Clerk** prepares personnel forms by either getting data from records or by interviewing individuals. He maintains officer qualification records and enlisted service records.

Interests & Qualifications: This position is open to both men and women.

The **Personnel Clerk** works in an office setting. He needs to be able to work carefully with forms and records. Helpful high school courses include English, typing, basic math and office practice. He must be able to type at least 20-35 words per minute, know correct English, usage, punctuation and spelling.

Training & Skills: The **Personnel Clerk** must be able to furnish information regarding American Red Cross, Navy Relief and government insurance programs. He must be able to prepare, maintain and audit service records and reports. A Basic Administrative Clerk Training Course is to be completed first, followed by the Personnel Clerk Course or demonstration of MOS qualification through performance and completion of appropriate MCI courses. Other courses are available at Marine Corps Depot, Parris Island and MCB, Camp Pendleton.

Related Occupations: (Marines)

- Administrative Clerk
- Personnel Chief
- Personnel/Administrative Chief

Title: PERSONNELMAN

Service: NAVY

AFSC/MOS/Rating: PN

Occupation: A **Personnelman** interviews, tests, and recommends school and work assignments. He counsels personnel regarding Navy occupations, service educational opportunities, and personal matters.

Interests & Qualifications: A **Personnelman** should be able to deal well with people. He should have clerical ability.

Experience in personnel work, teaching, counseling, or recreation supervision is helpful. High school courses in typing, public speaking, and office practice are valuable.

Training & Skills: A **Personnelman** learns to classify and test naval personnel. He learns to use vocational and educational materials. He is trained in a Navy school to interview personnel and make recommendations for placement.

A **Personnelman** works at Navy shore activities and aboard ships.

Related Occupations: (Civilian)

- Employment Interviewer
- Placement Counselor
- Test Administrator

PHOTOGRAPHER (NEWS)

Title: PHOTOGRAPHER (NEWS)

Civilian D.O.T. No. 143.062

Occupation: The **Photographer (News)** is skilled in the use of photographic equipment. He knows how to develop film and use special effects and lighting techniques to achieve certain details. He may work alone or with a firm.

Related Military Occupations:

Army	Motion Picture Photographer
Coast Guard	Photo-Journalist
Marine Corps	Photographer
Navy	Photographer's Mate

Composite Service Job Statement: In the Armed Services, the **Photographer (News)** operates still cameras to photograph news events and items of historical nature. He selects and checks camera equipment and accessories as is necessary. He takes black and white and color pictures using his knowledge of photographic composition. He coordinates his photo stories with news media personnel.

Related Occupations: (Civilian)

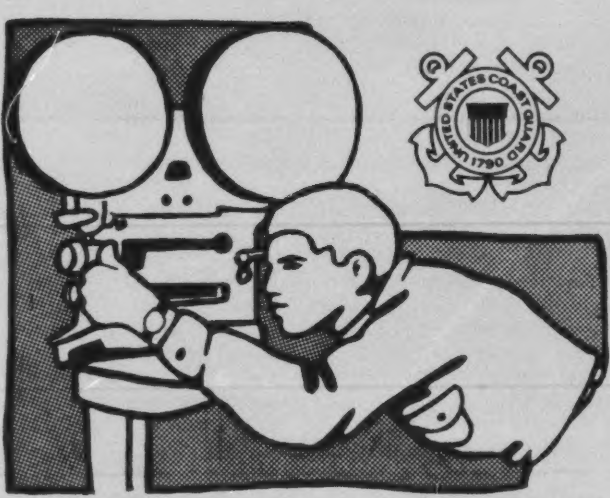
- Aerial Photographer
- Television Film Coordinator
- Video Camera Engineer

Title: MOTION PICTURE PHOTOGRAPHER

Service: ARMY

AFSC/MOS/Rating: 84C

Occupation: A **Motion Picture Photographer** takes motion pictures and aerial photographs. He also makes documentaries, and TV training and newsreel films.



Interests & Qualifications: A **Motion Picture Photographer** must have good hearing, vision, and eye-hand coordination. He needs to work well with his hands. High school courses in electricity/electronics (radio, TV) and physics are helpful. Experience in operating or repairing televisions or radios, and experience with audio-visual equipment is also helpful.

Training & Skills: Those entering this field are taught the basics of Army communications networks. Also taught are security rules, how to test equipment and how to operate and repair the equipment to which they are assigned. They learn how to arrange subject matter, to use aerial cameras, how to select and position equipment, attach proper lenses and filters to cameras, operate cameras, and perform preventive maintenance on equipment.

Related Occupations: (Army)

- Still Photographer
- Audio Specialist
- TV Production Specialist

Title: PHOTO-JOURNALIST

Service: COAST GUARD

AFSC/MOS/Rating: PA

Occupation: The **Photo-Journalist** helps maintain Coast Guard morale by getting news to shipmates and the public about the Coast Guard. He does this through written and pictorial reports about personnel and activities.

Interests & Qualifications: The **Photo-Journalist** must have the ability to write clearly, accurately, and quickly. He should have above average learning ability and have a command of the English language. Good personality traits are attentiveness, initiative, creativity, and poise under pressure. School courses in English, journalism, and typing are advantageous. Helpful hobbies are writing and photography.

Training & Skills: Upon completion of recruit training, the future **Photo-Journalist** receives guidance from an experienced **Photo-Journalist** and further training from specially designed publications and correspondence courses. The **Photo-Journalist** learns to write news releases, television and radio scripts, and ship and station newspapers and brochures. In addition, he takes and processes photographs and shoots motion picture footage.

Related Occupations: (Coast Guard)

- None

Title: PHOTOGRAPHER

Service: MARINES

AFSC/MOS/Rating: 4631

Occupation: The **Photographer** operates still cameras, develops film, and prints black and white and color pictures. Also he repairs a variety of photography equipment including lighting units, processors, and generators.

Interests & Qualifications: This position is open to both men and women. The **Photographer** must have normal color perception.

A secret security clearance will be required. Helpful high school courses include chemistry, physics, art and photography.

Training & Skills: Depending on grade, the **Photographer** must be able to take still photographs using a variety of cameras. He should know how to crop and mark negatives for printing.

He must also know the theory of light, lenses, and filters. In addition, he should be able to use automated developing and printing equipment.

A 16-week Photographer course is available in Pensacola, Florida.

Related Occupations: (Marines)

- Lithographer
- AVN Photographic/Electronic Systems Chief

Title: PHOTOGRAPHER'S MATE

Service: NAVY

AFSC/MOS/Rating: PH

Occupation: The **Photographer's Mate** operates and maintains cameras used for ground and aerial photography. He develops motion picture film, photographs and microfilm using darkroom equipment.

Interests & Qualifications: The **Photographer's Mate** needs mathematical ability and normal color perception. He must be able to pass an aviation physical. Courses in physics and chemistry are helpful for this job. Experience in photography as a hobby or as a job is valuable.

Training & Skills: The **Photographer's Mate** learns to use and maintain various types of cameras and camera equipment. He is taught to process and print film. He receives training on-the-job, by studying special manuals or by attending a Navy school.

A **Photographer's Mate** may be stationed ashore or at sea.

Related Occupations: (Civilian)

- Cameraman
- Camera Repairman
- Photo-Journalist
- Aerial Photographer

PLUMBER

Title: PLUMBER

Civilian D.O.T. No. 862.381

Occupation: The **Plumber** installs, repairs and maintains systems for water use, heating and sewage disposal. He connects fixtures and appliances for these units and services and replaces necessary parts.

Related Military Occupations:

Air Force	Plumbing Specialist
Army	Plumber
Coast Guard	Damage Controlman
Marine Corps	Plumbing and Water Supply Man
Navy	Utilitiesman

Composite Service Job Statement: In the Armed Services, the **Plumber** installs and repairs pipe systems and fixtures for water, hot air, gas, steam, petroleum, compressed air and waste disposal systems using plumbing and pipe fitting equipment. He connects pipe sections with appropriate fittings by welding techniques. He conducts inspections of plumbing facilities.

Related Occupations: (Civilian)

- Gas Main Fitter
- Pipe Thread Inspector
- Instrument Fitter

Title: PLUMBING SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 55235

Occupation: A **Plumbing Specialist** installs pipe systems and plumbing fixtures. He reads blueprints, drawings, and specifications. He works with steel, iron, copper, tin, bronze, and brass.

Interests & Qualifications: It is desirable that a **Plumbing Specialist** complete high school. School courses in math are helpful. You must have a score of Mechanical 40 on the Armed Services Vocational Aptitude Battery.

This specialty is open to women.

Training & Skills: A Plumbing Specialist course (9 weeks) is offered at Sheppard Air Force Base, Wichita Falls, Texas. This course will cover planning and laying out plumbing systems, cutting and fitting pipes, installing pipes and fixtures, and all the other skills necessary to be an expert plumber. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Plumber, Pipe Fitting
- Plumber, Repair

Title: PLUMBER

Service: ARMY

AFSC/MOS/Rating: 51K

Occupation: A **Plumber** installs and repairs pipe systems and their fixtures. He studies blueprints, measures, cuts, threads or bends pipe. He connects pipe sections, tests systems and conducts inspections.

Interests & Qualifications: A **Plumber** should have the mechanical skill to work with power tools, machines and blueprints. It is important to be able to work in high places, have a good sense of balance, and work with numbers. High school or trade school courses in carpentry and plumbing are helpful.

Training & Skills: The Army provides all the training needed in this field. A **Plumber** is taught the names, uses and characteristics of tools and supplies, the use of block and tackle, and how to care for tools and safety rules. He is also taught how to read blueprints and then choose the correct fixtures. He learns to measure and cut pipes, connect pipes with proper fittings and how to test systems. He studies mathematics and learns about sewage disposal and treatment and water treatment.

Related Occupations: (Army)

- Heating and Cooling Specialist
- Pipeline Specialist

Title: DAMAGE CONTROLMAN

Service: COAST GUARD

AFSC/MOS/Rating: DC

Occupation: The **Damage Controlman** installs and repairs pipe systems and fixtures for water, gas, steam, compressed air and waste disposal systems on all Coast Guard units. His duties also include firefighting, welding, and woodworking.

Interests & Qualifications: A **Damage Controlman** should be average or above in general learning ability. He should have mechanical aptitude. He should also be self-reliant, creative, and have poise under pressure. School courses in carpentry, metal working, machining, practical mathematics and chemistry are useful. Experience as a volunteer or full time fireman is also helpful.

Training & Skills: Upon completion of recruit training, the **Damage Controlman** may attend a 15-week school at Coast Guard Training Center, Governor's Island, New York. Or, he may receive on-the-job training and study course manuals and publications. The **Damage Controlman** may be asked to instruct and handle damage control parties. He is also responsible for the upkeep and repair of damage control equipment such as dewatering pumps, shoring gear and firefighting equipment.

Related Occupations: (Coast Guard)

- Machinery Technician

Title: PLUMBING AND WATER SUPPLY MAN

Service: MARINES

AFSC/MOS/Rating: 1121

Occupation: The **Plumbing And Water Supply Man** works with heating, sewage and water supply systems. He installs, operates, and repairs them. In addition, he enforces safety and sanitary regulations.

Interests & Qualifications: The **Plumbing And Water Supply Man** likes to work with his hands and fix things. He works mostly inside.

This position is open to both men and women.

Helpful high school courses include basic math, physics, and chemistry. General, electric or machine shop courses are also useful.

Training & Skills: Depending on his grade, the **Plumbing And Water Supply Man** needs to be able to figure out what is wrong with plumbing and water supply equipment. He must be able to install and maintain plumbing in cold weather and know how to select and develop water supply sources. Topics studied in training include well-digging, pipefitting, pumps and filters. A 7-week training program in Plumbing And Water Supply is available at Marine Corps Engineer School, Camp Lejeune, North Carolina.

Related Occupations: (Marines)

- Utilities Chief

Title: UTILITIESMAN

Service: NAVY

AFSC/MOS/Rating: UT

Occupation: A **Utilitiesman** maintains and repairs boilers, evaporators, and other equipment used to distill and purify water. He performs plumbing and pipefitting work. A **Utilitiesman** operates water supply and sewage disposal plants.

Interests & Qualifications: A **Utilitiesman** should have mechanical skill. High school or apprentice training in plumbing or other related fields is helpful. Work experience in water supply or sanitary engineering is also helpful.

Training & Skills: A **Utilitiesman** learns to read blueprints, to install and operate engines and boilers, and to repair equipment used in water treatment and sewage disposal. He learns these tasks by on-the-job training, study of special books, or through training at a Navy school.

A **Utilitiesman** may be stationed at shore stations, either in the U.S. or overseas.

Related Occupations: (Civilian)

- Stationary Engineer
- Water Plant Operator
- Boiler Operator
- Plumber

POST OFFICE CLERK

Title: POST OFFICE CLERK

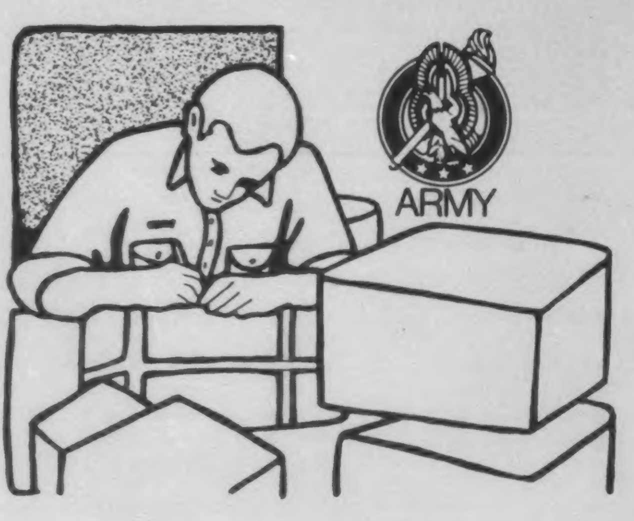
Civilian D.O.T. No. 232.368

Occupation: The **Post Office Clerk** carries and delivers mail in a specific area, and collects and returns it for sorting. He forwards mail and collects postage.

Related Military Occupations:

Air Force	Administration Specialist
Army	Postal Clerk
Coast Guard	Yeoman
Marine Corps	Postal Clerk
Navy	Postal Clerk

Composite Service Job Statement: In the Armed Services, the **Post Office Clerk** receives and opens mail pouches and sacks. He receives, sorts, and dispatches mail and accepts and accounts for accountable mail. He sells postage stamps, issues and pays money orders. He may operate postal service centers, unit mail rooms, and postal direc-



tory services. He answers questions pertaining to mail regulations or procedures.

Related Occupations: (Civilian)

- Mailman
- Parcel Service Carrier
- Rural Mail Carrier

Title: ADMINISTRATION SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 70230

Occupation: An **Administration Specialist** performs administration functions concerning publications, forms, publications and forms distribution, orders, documentation systems, release and fee schedules, communications, and postal services.

Interests & Qualifications: It is desirable that an **Administration Specialist** complete courses in business English, math and typing. You will need to be able to attain 30 words per minute typing speed.

You will need an Administrative score of 40 on the Armed Services Vocational Aptitude Battery. You will need to meet basic physical standards and have unrestricted use of the fingers.

This Air Force specialty is open to women.

Training & Skills: An Administration Specialist course (10 weeks) is available at Sheppard Air Force Base, Wichita Falls, Texas. Included is instruction in touch typing, preparation of Air Force messages, maintenance of records and mail room duties. You will learn offset master and stencil preparation for printing; the operation of microfilm, keypunch and filing equipment; and to receive, sort and dispatch mail. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Clerk Typist
- Library Assistant
- Clerk, General
- Post Office Clerk

Title: POSTAL CLERK

Service: ARMY

AFSC/MOS/Rating: 71E

Occupation: A **Postal Clerk** handles the Army's mail. He issues and sells stamps, advises patrons of mail rules, issues money orders and keeps files of Army units and the individuals assigned to each.

Interests & Qualifications: A **Postal Clerk** must be able to work closely with others and make decisions. He needs to have office skills and be aware of office procedures. High school business courses are helpful, as is any office experience.

Hobbies that help prepare one for this field include stamp collecting, coin collecting, or any activity that involves sorting and organizing.

Training & Skills: Those entering this field are trained to write and type records, reports and forms. They are taught the Army file system and basic postal procedures. The **Postal Clerk** learns to post change of address in locator files; post correct address to undeliverable mail; provide directory services; answer complaints; and initiate tracers and inquiries.

In addition, the **Postal Clerk** learns to sort and bag mail for shipment; sort mail for delivery; and load and unload mail trucks.

Related Occupations: (Army)

- Clerk Typist
- Stenographer
- Medical Records Specialist

Title: YEOMAN

Service: COAST GUARD

AFSC/MOS/Rating: YN

Occupation: The **Yeoman** performs a wide variety of administrative functions including preparation and typing of letters and reports, maintenance of personnel and unit records, distribution of official and personal mail, and court reporter for Courts-Martial and Boards of Inquiry.

Interests & Qualifications: **Yeomen** need qualifications similar to those of secretaries, stenographers and typists in private industry. **Yeomen** should be above average in general learning ability, should possess a degree of manual dexterity and must be able to work well with others in an office organization. Courses in English and in business subjects such as typewriting and filing are very useful.

Training & Skills: Upon completion of recruit training, special training for **Yeoman** begins with 13-weeks of instruction at Coast Guard Training Center, Petaluma, California. Sometimes, training is received on-the-job, sometimes by studying special manuals. **Yeoman** duties may include typing 30 to 50 words per minute; taking dictation; writing letters and other documents; serving as a unit mail man; compiling and keeping records; supervising some or all of these activities.

Related Occupations: (Coast Guard)

- Storekeeper

Title: POSTAL CLERK

Service: MARINES

AFSC/MOS/Rating: 0161

Occupation: The **Postal Clerk** does various duties related to the operation of a Marine Corps post office.

The clerk sorts and dispatches mail, sells stamps and money orders. The clerk also maintains accounts of postal funds.

Interests & Qualifications: The position is open to both men and women. A confidential security clearance may be required.

The **Postal Clerk** does a variety of tasks. He sometimes works with mail only. He also works with people a great deal of the time as well.

Helpful high school courses include English, basic math and basic bookkeeping.

Training & Skills: Depending on his grade, the **Postal Clerk** must be able to prepare and maintain accounts of postal funds and supplies. Also, he must be able to handle international mail and international money orders. Working with lost or damaged insured or registered mail orders is something else he must be able to do.

On-the-job training is now available, however a formal course of instruction is being formulated.

Related Occupations: (Marines)

- Administrative Clerk
- Unit Diary Clerk
- Personnel Clerk

Title: POSTAL CLERK

Service: NAVY

AFSC/MOS/Rating: PC

Occupation: Postal Clerks operate the Navy's postal service. They route, transport and process mail, maintain office equipment and keep records.

Interests & Qualifications: A **Postal Clerk** must be able to work well with people. He needs to be patient, courteous, and have an understanding of others. High school courses in English, typing, geography and arithmetic are helpful.

Training & Skills: A **Postal Clerk** learns how to operate adding machines, how to repair postal equipment, and how to keep postal records. He is taught typing, postal operations and security procedures. A **Postal Clerk** learns by on-the-job instruction, by studying special manuals, or by attending a Navy school.

A **Postal Clerk** may be stationed at sea or ashore.

Related Occupations: (Civilian)

- Clerk Typist
- File Clerk
- Mail Room Manager
- Mail Sorter

POWER PLANT OPERATOR

Title: POWER PLANT OPERATOR

Civilian D.O.T. No. 952.782

Occupation: The **Power Plant Operator** runs the power plant equipment and directs others in the operation of generators and gauges. He inspects for proper maintenance and coordinates repairs.

Related Military Occupations:

Air Force	Electrical Power Production Specialist
Army	Power Station Operator
Coast Guard	Electrician's Mate
Marine Corps	Electrical Equipment Repairman
Navy	Gas Turbine System Technician

Composite Service Job Statement: In the Armed Services, the **Power Plant Operator** operates boilers, turbines, generators, and auxiliary equipment at generating plants. He monitors the control board and regulates equipment according to data by recording and indicating instruments. He adjusts control of water, blowers or shuts down boilers. He corrects abnormal conditions by starting emergency or stand-by oil pumps.

Related Occupations: (Civilian)

- Diesel Plant Operator
- Powerhouse Engineer
- Turbine Attendant

Title: ELECTRICAL POWER PRODUCTION SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 54330

Occupation: An **Electrical Power Production Specialist** installs, maintains, operates and repairs electrical power production plants and equipment. He inspects them for defects and effects modifications where necessary.

Interests & Qualifications: It is desirable that an **Electrical Power Production Specialist** complete high scool. School courses in shop and math are helpful. You must have a score of Electronic 50 or Mechanical 50 on the Armed Services Vocational Aptitude Battery. You must have normal color vision. If you have had experience with or are interested in things like fuses, circuit reading, blueprints, it will be helpful. This specialty is open to women.

Training & Skills: To be an **Electrical Power Production Specialist,** you must complete the Electrical Power Production Specialist course (17 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. This course covers the fundamentals of diesel and gas turbine engines; electric power generation and operation; maintenance of aircraft arresting barriers and trouble analysis and maintenance of generator set equipment. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Substation Operator, Generation
- Electrician, Substation
- Diesel Mechanic

Title: POWER STATION OPERATOR

Service: ARMY

AFSC/MOS/Rating: 52E

Occupation: A **Power Station Operator** works with substation or generating station equipment. He inspects, tests, and performs maintenance. He works with generators, converts alternating current to direct and records data.

Interests & Qualifications: A **Power Station Operator** must have mechanical and number skills. He must be able to pay attention to detail, to reason well, and make decisions. Good eye-hand coordination, good vision, and good hearing are important. High school courses in shop, electricity or blueprint reading are helpful. The qualifications are precise and demanding for this occupation.

Training & Skills: Those entering this field are trained to make minor repairs on wiring, to clean and lubricate and take apart electrical equipment, and to maintain and care for tools. They are also taught the fundamentals of electricity. While much of the training is given on-the-job, school courses are offered in electricity and power station operation. Students learn to start and stop and regulate generators, to understand and record readings of instruments and to adjust voltage.

Related Occupations: (Army)

- Nuclear Power Plant Mechanic/Operator
- Power Generation Equipment Repairman

Title: ELECTRICIAN'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: EM

Occupation: The **Electrician's Mate** works with alternating and direct current, circuits, switchboards, searchlights, and other electrical instruments. He operates and repairs the ship or station's electrical power plant.

Interests & Qualifications: The **Electrician's Mate** should be average or above in general learning ability. He should also have aptitude for practical math. He should enjoy work of an electrical and mechanical nature. Training in school shop, practical mathematics and physics are very useful. Previous experience in electronics is also valuable.

Training & Skills: After completion of recruit training, the **Electrician's Mate** may take 16 weeks of training at Coast Guard Training Center, Governor's Island, New York. Sometimes he is trained on-the-job under the guidance of experienced personnel and by studying manuals and publications.

Related Occupations: (Coast Guard)

- Damage Controlman
- Telephone Technician
- Machinery Technician

Title: ELECTRICAL EQUIPMENT REPAIRMAN

Service: MARINES

AFSC/MOS/Rating: 1142

Occupation: The **Electrical Equipment Repairman** installs, operates, maintains, and repairs electrical equipment and systems.

He plans work from drawings or other forms of specifications and work orders.

Interests & Qualifications: This position is open to both men and women. The **Electrical Equipment Repairman** should like to work with his hands fixing electrical equipment.

Helpful high school courses would include basic math and physics. General, electrical or machine shop would also be useful. Mechanical drawing would be helpful, too.

Training & Skills: Depending on grade, he must know how to test and repair electrical equipment. To do this, he needs to know basic theory and principles of electricity.

He also needs to know about first aid for exposure to electric shock. He needs to be able to plan and make sketches for installing electrical systems.

A 17-week Electrical Equipment Repair Course is available at Camp Lejeune, North Carolina.

Related Occupations: (Marines)

- A/C Maintenance Support Equipment Electrician

Title: GAS TURBINE SYSTEM TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: GS

Occupation: A **Gas Turbine System Technician** operates, maintains and repairs the gas turbine engines and auxiliary equipment used to propel ships.

Interests & Qualifications: A **Gas Turbine System Technician** needs mechanical skill, manual dexterity and normal color perception. Courses in physics and experience working with machines or in electronics is helpful.

Training & Skills: A **Gas Turbine System Technician** studies electronics, engine repair and maintenance, the theory of gas turbine engines, and the operation of test equipment. He receives training on-the-job, by the study of special manuals, or by attending a Navy school.

A **Gas Turbine System Technician** works in the engineroom aboard ship or at repair facilities ashore.

Related Occupations: (Civilian)

- Diesel Engine Mechanic
- Marine Engineer
- Gas Engine Mechanic

POWER REACTOR OPERATOR

Title: POWER REACTOR OPERATOR

Civilian D.O.T. No. 952.380

Occupation: The **Power Reactor Operator** is familiar with the operation and maintenance of electrical and nuclear power systems. He controls the generation of electric power and starts, regulates, and shuts down the reactor.

Related Military Occupations:

Army	Nuclear Power Plant Electrician/Operator
Navy	Electronics Technician

Composite Service Job Statement: In the Armed Services, the **Power Reactor Operator** may direct and control the installation, operation, maintenance, repair, overhaul, modification, calibration and testing of nuclear reactor systems and associated equipment. Or, he may be involved with electrical generating, mechanical, electronic, and control equipment. He inspects periodically to assure compliance with policies and regulations.

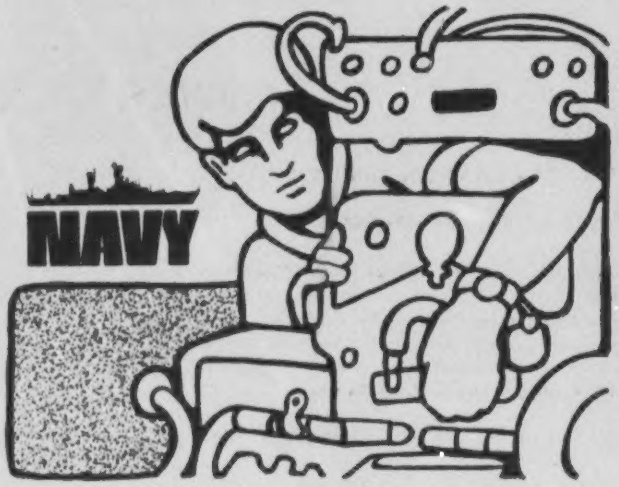
Related Occupations: (Civilian)

- Power Plant Foreman
- Substation Inspector
- Turbine Operator

Title: NUCLEAR POWER PLANT ELECTRICIAN/OPERATOR

Service: ARMY

AFSC/MOS/Rating: 52J



Occupation: A **Nuclear Power Plant Electrician/Operator** starts up reactors, interprets instrument readings, spots problems and installs, calibrates and repairs nuclear power equipment.

Interests & Qualifications: A **Nuclear Power Plant Electrician/Operator** must have mechanical and number skills. He must reason well, pay attention to detail and make decisions. Good eye-hand coordination, vision and hearing are important. High school courses in shop, electricity, or blueprint reading are helpful. The qualifications in this field are precise and demanding.

Training & Skills: Those entering this field are given training in minor wiring repair, how to clean, lubricate and take apart electrical equipment, and how to maintain, and care for tools. They are taught the fundamentals of electricity. While much of the training given is on-the-job, school courses are given in electricity and nuclear power plant electrician operation. How to start up reactors, convert power, operate electrical systems and observe and record reading on instruments are taught.

Related Occupations: (Army)

- Nuclear Power Plant Mechanic/Operator
- Nuclear Power Plant Instrumentman

Title: ELECTRONICS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: ET

Occupation: An **Electronics Technician** maintains and repairs all electronics equipment on ships and stations. He uses tools and testing devices to calibrate, tune and adjust equipment.

Interests & Qualifications: An **Electronics Technician** needs electrical and mechanical skill. He should be able to think clearly and deal with practical math. High school courses in radio, electricity, physics, algebra, trigonometry, and shop are helpful. Experience in amateur radio, mechanical trades or electrical trades is valuable.

Training & Skills: An **Electronics Technician** learns to use electronic test equipment. He is taught to use hand tools, to repair and maintain electrical equipment and to use emergency and portable power supply equipment.

Training for this job is provided at a Navy school.

An **Electronics Technician** may serve aboard ship or at shore stations.

Related Occupations: (Civilian)

- Electrical Repairman
- Radio and TV Repairman
- Electronics Foreman

POWER TRUCK OPERATOR

Title: POWER TRUCK OPERATOR

Civilian D.O.T. No. 922.883

Occupation: The **Power Truck Operator** drives an industrial truck or tractor equipped with a forklift, elevating platform, or trailer hitch to push, pull, or stack merchandise in a warehouse, storage yard, or factory.

Related Military Occupations:

Air Force	Construction Equipment Operator
Army	Armor Crewman
Marine Corps	Tank Crewman
Navy	Equipment Operator

Composite Service Job Statement: In the Armed Services, the **Power Truck Operator** drives various types of industrial trucks and armor vehicles. He may be engaged in construction projects driving tractors, graders, and loader. He may perform maintenance on these vehicles.

Related Occupations: (Civilian)

- Lumber Carrier Driver
- Electric Crane Operator
- Gasoline Truck Operator

Title: CONSTRUCTION EQUIPMENT OPERATOR

Service: AIR FORCE

AFSC/MQS/Rating: 55131

Occupation: A **Construction Equipment Operator** runs cranes, power shovels, bulldozers, and other heavy equipment. He also handles fork lifts and front end loaders and sweepers, excavates soil and installs paving materials.

Interests & Qualifications: It is desirable that a **Construction Equipment Operator** complete high school. You must have a score of Mechanical 40 on the Armed Services Vocational Aptitude Battery. You must have normal color vision and have a valid state driver's license.

This specialty is open to women.

Training & Skills: The Air Force offers a Construction Equipment Operators course (11 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Operators are trained to level, grade and fill surfaces; lift and move heavy objects; excavate and move earth; compact soil; remove snow and ice; and maintain and prepare equipment for use.

(These Air Force training Requirements are subject to change.)

Related Occupations: (Civilian)

- Tractor Operator
- Tractor Crane Operator
- Blade-Grader Operator

Title: ARMOR CREWMAN

Service: ARMY

AFSC/MOS/Rating: 11E

Occupation: An **Armor Crewman** commands or serves as a crew member of tank or light armored tracked vehicles. He identifies enemy personnel and equipment; reads compasses and maps; used demolitions; receives and hands out tank ammunition, and drives armored vehicles.

Interests & Qualifications: An **Armor Crewman** must have good vision and night vision. He must be able to do rugged physical work and be emotionally stable. Helpful high school courses include mechanical or electrical subjects and auto mechanics. An interest in competitive sports, having driven light trucks or worked with surveying parties are also helpful.

Training & Skills: Those entering this field are taught to use and maintain weapons, vehicles and armored equipment. They learn how to handle field radio and telephone gear, and infantry sound-locating and infantry radar equipment.

The **Armor Crewman** is taught to identify and load ammunition, to prepare for firing, construct camouflaged field fortifications and identifies enemy personnel and weapons as well as capabilities.

Related Occupations: (Army)

- Light Weapons Infantryman
- Infantry Indirect Fire Crewman

Title: TANK CREWMAN

Service: MARINES

AFSC/MOS/Rating: 1811

Occupation: The **Tank Crewman** prepares tanks, personnel, and equipment for movement and combat. Also he prepares the ammunition and operates the tank communication equipment.

Interests & Qualifications: A **Tank Crewman** enjoys using communication equipment. He is interested in military tactics as they relate to tanks. He knows how to use tank weapons and how to read firing charts and tables.

Training & Skills: Depending on his grade, a **Tank Crewman** must know how to drive a tank over all types of terrain. He must be able to recognize tank traps and know how to overcome them. The **Tank Crewman** studies how to operate and maintain tanks. He also learns to camouflage tanks and protect them from chemical warfare agents. In addition, he studies the fundamentals of electricity, map reading, and radio communications.

An 8-week training program is available at Ft. Knox, Kentucky.

Related Occupations: (Marines)

- Field Artillery Batteryman
- Tank and Amphibian Tracker

Title: EQUIPMENT OPERATOR

Service: NAVY

AFSC/MOS/Rating: EO

Occupation: An **Equipment Operator** operates heavy duty construction equipment. He drives and maintains bulldozers, heavy trucks, cranes, and power shovels.

Interests & Qualifications: An **Equipment Operator** should be physically strong. He needs good coordination, color perception, and mechanical skill. High school courses in auto or electrical shop are helpful. Work experience in construction or automotive repair is valuable.

Training & Skills: An **Equipment Operator** learns to operate and maintain construction equipment. He is taught road construction, grading, and earthwork. An **Equipment Operator** learns his job through on-the-job training, the study of special manuals, or by attending a Navy school.

An **Equipment Operator** may be assigned to shore duty or to a mobile construction battalion.

Related Occupations: (Civilian)

- Heavy Equipment Operator
- Excavation Foreman
- Crane Operator

PROGRAMMER (COMPUTER)

Title: PROGRAMMER (COMPUTER)

Civilian D.O.T. No. 020.188

Occupation: The **Programmer (Computer)** outlines a program and feeds it into a computer for solutions to problems. He uses special computer language to process data into the machine and can analyze feedback received.

Related Military Occupations:

Air Force	Programming Specialist
Army	Computer Programmer
Marine Corps	Programmer, Computer (RCA 3301)
Navy	Data Processing Technician

Composite Service Job Statement: In the Armed Services, the **Programmer (Computer)** prepares, codes, tests, documents and analyzes computer programs. He converts diagrams into computer language and runs them through the computer for data processing. He reviews programs for repetitive language and prepares program documentation.

Related Occupations: (Civilian)

- Systems Analyst
- Mathematical Technician
- Statistician

Title: PROGRAMMING SPECIALIST

Service: AIR FORCE

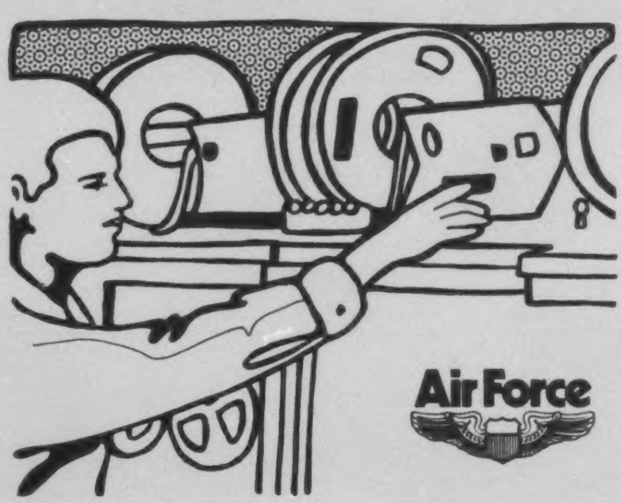
AFSC/MOS/Rating: 51131

Occupation: A **Programming Specialist** prepares electronic computer equipment and punched cards for data processing operations. He operates data processing equipment and provides program documentation and maintenance.

Interests & Qualifications: It is desirable that an Air Force **Programming Specialist** complete high school. School courses in algebra and geometry are very helpful. You must have a score of at least General 60 on the Armed Services Vocational Aptitude Battery. You also must score at least 71 on the Air Force Electronic Data Processing Test.

This Air Force specialty is open to women.

Training & Skills: To be an Air Force **Programming Specialist,** it is desirable that you complete a Basic Programming Specialist course at Sheppard Air Force Base, Wichita Falls, Texas for 7 weeks. You will be trained to perform such jobs as producing block diagrams, and computer coding; editing and testing computer programs; and analyzing programs. (These Air Force training requirements are subject to change.)



Related Occupations: (Civilian)

- Programmer, Business
- Digital Computer Operator

Title: COMPUTER PROGRAMMER

Service: ARMY

AFSC/MOS/Rating: 74F

Occupation: A **Computer Programmer** prepares, studies, edits and tests computer programs. He analyzes problems and converts them into a form suitable for computer solution.

Interests & Qualifications: A **Computer Programmer** must have mechanical skills. High school courses in typing, and business courses, having worked in an office, and having run office machines will be helpful. Also important are a good memory, attention to detail, and skill in reading and following directions.

Training & Skills: Those entering this field are taught how to use keypunch, tape and verifying machines, along with fundamentals of sorters, collators, interpreters and reproducers. Also taught are rules on coded items and the kinds of punched cards used. A **Computer Programmer** learns how to construct flow charts, diagrams, to outline computer operations in processing data. He learns how to revise programs for repetitive language, modify codes and make adjustments to achieve desired results.

Related Occupations: (Army)

- Data Analysis Specialist
- Computer Systems Operator

Title: PROGRAMMER, COMPUTER RCA 3301

Service: MARINES

AFSC/MOS/Rating: 4053

Occupation: The **RCA 3301 Computer Programmer** prepares and codes RCA 3301 computer programs. He works from systems flow charts.

Interests & Qualifications: This position is open to both men and women.

The **RCA 3301 Computer Programmer** needs reasoning ability, clerical aptitude, and mathematical ability. Helpful high school courses are math, typing, and any business office-machine courses.

Training & Skills: The **RCA 3301 Computer Programmer** should be a graduate of the computer sciences programmig course or a manufacturer's course. Skills learned include coding or assisting in coding programs in languages available for processing on the RCA 3301 computer. Other skills cover binary arithmetic and binary coding, learning to devise block diagram descriptions, learning to prepare test data and testing and correcting programs.

Related Occupations: (Marines)

- Data Analyst Chief
- Installation Chief

Title: DATA PROCESSING TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: DP

Occupation: A **Data Processing Technician** operates and maintains electronic accounting equipment. He writes programs and performs office management duties.

Interests & Qualifications: A **Data Processing Technician** needs clerical and mechanical skill. High school courses in typing, bookkeeping, accounting, and business machines is helpful.

Training & Skills: A **Data Processing Technician** learns to operate various office machines. He is taught to prepare, route, and file official letters. A **Data Processing Technician** is trained through on-the-job experience, the study of training manuals, or by attending a Navy school.

A **Data Processing Technician** works wherever the Navy uses data processing systems.

Related Occupations: (Civilian)

- Digital Computer Operator
- Business Programmer
- Key Punch Operator

PUMPMAN

Title: PUMPMAN

Civilian D.O.T. No. 914.885

Occupation: The **Pumpman** is familiar with the fundamentals of fuel services and the use of gauges and testing equipment to test fuel consumption. He keeps stocks supplied and maintains storage and transfer equipment.

Related Military Occupations:

Air Force	Fuel Specialist
Army	Petroleum Supply Specialist
Coast Guard	Damage Controlman
Marine Corps	Bulk Fuel Man
Navy	Aviation Boatswain's Mate

Composite Service Job Statement: In the Armed Services, the **Pumpman** operates and maintains storage and transfer equipment for petroleum products. He distributes petroleum by connecting tanks, operating pump engines to transfer gas. He reads gauges and meters to determine completion of transfer and keeps records of shipments. He operates fire fighting equipment and safety equipment common to petroleum storage facilities.

U.S.
UNITED STATES COAST GUARD
1790

Related Occupations: (Civilian)

- Boiler Pump Operator
- Gas Transfer Man
- Pump Machine Operator

Title: FUEL SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 63130

Occupation: A **Fuel Specialist** receives, inspects, issues, tests, transports, and transfers petroleum fuels, missile propellant, and other liquid fuels and performs operator maintenance on fuel-handling equipment.

Interests & Qualifications: It is desirable that a **Fuel Specialist** complete high school. School courses in math and chemistry are helpful. You must have a score of General 40 or Mechanical 40 on the Armed Services Vocational Aptitude Battery. You must have normal color vision. You must have a valid driver's license.

This specialty is open to women.

Training & Skills: A Fuel Specialist course (8 weeks) is offered at Chanute Air Force Base, Rantoul, Illinois. Training includes instruction in the proper techniques on receipt of petroleum and other petroleum products; fuel storage, maintenance and transfer, and quality control of fuel and fuel products. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Manager, Bulk Plant

Title: PETROLEUM SUPPLY SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 76W

Occupation: A **Petroleum Supply Specialist** fills petroleum containers. He maintains and inspects pipeline systems, performs bulk storage operations and loads and unloads tank cars, tank trucks, and storage tanks.

Interests & Qualifications: A **Petroleum Supply Specialist** must have mechanical and math skills. He must also be able to reason well and solve problems. He needs good eye-hand coordination. High school courses in math, chemistry or other physical sciences are helpful. Good arithmetic, the ability to understand technical material, and attention to detail are also important.

Training & Skills: Those entering this field are given training in standard chemical testing methods and interpreting reactions to tests. They learn the proper use of laboratory equipment and measuring devices. While much of the training is given on-the-job, school courses are provided for **Petroleum Supply Specialist.**

Related Occupations: (Army)

- Petroleum Laboratory Specialist

Title: DAMAGE CONTROLMAN

Service: COAST GUARD

AFSC/MOS/Rating: DC

Occupation: The **Damage Controlman** installs and repairs pipe systems and fixtures for water, gas, steam, compressed air and waste disposal systems on all Coast Guard units. His duties also include firefighting, welding, and woodworking.

Interests & Qualifications: A **Damage Controlman** should be average or above in general learning ability. He should have mechanical aptitude. He should also be self-reliant, creative, and have poise under pressure. School courses in carpentry, metal working, machining, practical mathematics and chemistry are useful. Experience as a volunteer or full time fireman is also helpful.

Training & Skills: Upon completion of recruit training, the **Damage Controlman** may attend a 15-week school at Coast Guard Training Center, Governor's Island, New York. Or, he may receive on-the-job training and study course manuals and publications. The **Damage Controlman** may be asked to instruct and handle damage control parties. He is also responsible for the upkeep and repair of damage control equipment such as dewatering pumps, shoring gear and firefighting equipment.

Related Occupations: (Coast Guard)

- Machinery Technician

Title: BULK FUEL MAN

Service: MARINES

AFSC/MOS/Rating: 1391

Occupation: The **Bulk Fuel Man** works with storing large amount of fuels. He installs and operates all kinds of pumps, tanks, and filters. He also runs tests on fuels.

Interests & Qualifications: This Marine Corps position is open to both men and women.

The **Bulk Fuel Man** needs to have skill at working with his hands. He needs to be able to interpret plans and drawings. He needs to know basic math. Chemistry and shop courses would also be helpful.

To advance in rank, the **Bulk Fuel Man** needs to know more about testing fuels.

Training & Skills: In training the **Bulk Fuel Man** learns the names of the parts of the fuel handling system. He also learns how to operate them. He learns about safety and fire precaution. Depending on his grade, he learns how to move fuel. Proper fuel storage is another subject he studies.

Five-week field skill training programs for **Bulk Fuel Man** are available at 6 locations.

Related Occupations: (Marines)

- Engineer Equipment Operator
- Supply Administration and Operations

Title: AVIATION BOATSWAIN'S MATE

Service: NAVY

AFSC/MOS/Rating: AB

Occupation: An **Aviation Boatswain's Mate** handles aircraft on carriers, in hangars and parking areas. He fuels and defuels planes. An **Aviation Boatswain's Mate** operates and maintains equipment used for aircraft launchings and landings.

Interests & Qualifications: An **Aviation Boatswain's Mate** should have good vision, hearing and color perception. High school courses in shop, physics, and chemistry are helpful. Experience in handling planes and hoisting equipment is valuable.

Training & Skills: An **Aviation Boatswain's Mate** learns how to handle and tow aircraft. He operates and repairs equipment used in aircraft launching and recovery. An **Aviation Boatswain's Mate** learns to load and unload fuel and refuel ships at sea. Through on-the-job training, special books, or Navy schools, he learns fire fighting and rescue procedures.

An **Aviation Boatswain's Mate** is assigned to naval air stations ashore or to aircraft carriers.

Related Occupations: (Civilian)

- Crane Operator
- Service Station Operator
- Fireman
- Pumpman

QUARTERMASTER

Title: QUARTERMASTER

Civilian D.O.T. No. 911.883

Occupation: The **Quartermaster** is a seaman or an aircrew member with the ability to use navigational instruments. With them, he can determine his position, course, distance traveled and distance to his destination.

Related Military Occupations:

Army	Watercraft Operator
Coast Guard	Quartermaster
Navy	Quartermaster

Composite Service Job Statement: In the Armed Services, the **Quartermaster** locates the ship's or boat's position by using navigational aids such as charts and slide rules. He establishes the position of craft by use of navigational instruments and charts or dead reckoning. He utilizes navigational aids such as radio beams and beacons when available. He keeps a log of all his travel.

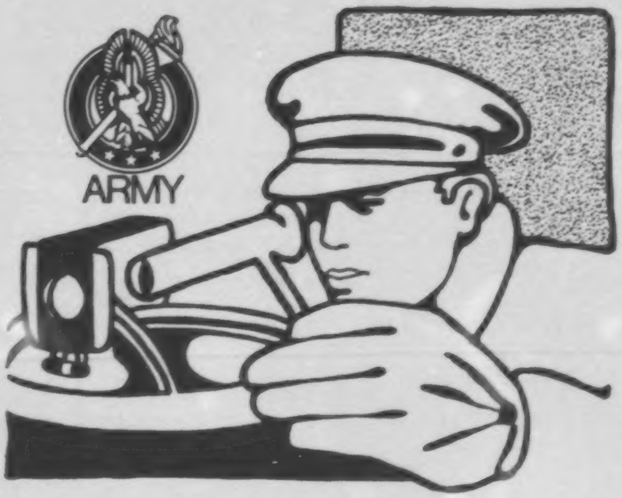
Related Occupations: (Civilian)

- Able, Seaman
- Small Craft Operator

Title: WATERCRAFT OPERATOR

Service: ARMY

AFSC/MOS/Rating: 61B



Occupation: A **Watercraft Operator** performs deck duties on Army watercraft. He uses sounding devices, aids to navigation and ship running lights. He may also do maintenance and apply fire and rescue procedures.

Interests & Qualifications: A **Watercraft Operator** must have mechanical skill, the ability to reason, and the ability to solve problems. He also needs good eye-hand coordination and an understanding of technical instructions. Good vision and good hearing are also important. High school courses in driving and auto mechanics are helpful. Also helpful is actual experience in driving watercraft.

Training & Skills: Those entering this field are taught safety methods for use of vehicles during daylight, night or under blackout conditions. They learn how to run, load and maintain safe distances and how to use emergency devices. They also learn to apply fire and rescue procedures and to use towing signals and navigational instruments including charts, compass, and military maps. They learn also to send and receive messages with blinker signal by international Morse Code.

Related Occupations: (Army)

- Amphibian Operator
- Seaman
- Marine Engineer
- Amphibian Engineer

Title: QUARTERMASTER

Service: COAST GUARD

AFSC/MOS/Rating: QM

Occupation: The **Quartermaster** must quickly and accurately read and understand charts, signals and other navigational aids. He must be a skilled navigator and helmsman.

Interests & Qualifications: Quartermasters should be above average in general learning ability. They need good vision and hearing. They should also be able to express themselves clearly in writing and speaking. School courses in public speaking, grammar, and geometry are extremely helpful.

Training & Skills: Upon completion of recruit training, **Quartermasters** may take 10½ weeks of intensive training at the USN Training Center, Orlando, Florida. Or, he may train on-the-job and by the study of manuals and publications.

At sea, **Quartermasters** may stand watch; serve as helmsmen; navigate; or send and receive messages. On shore, **Quartermasters** may serve in group operation centers; area rescue coordination centers; or in jobs not directly connected with the rating.

Related Occupations: (Coast Guard)

- Boatswain's Mate
- Radarman
- Sonar Technician
- Fire Control Technician

Title: QUARTERMASTER

Service: NAVY

AFSC/MOS/Rating: QM

Occupation: A **Quartermaster** steers the ship, commands small craft and works with nautical charts and records. He works with navigation equipment and records data for the ship's log.

Interests & Qualifications: A **Quartermaster** must have good vision and hearing. He should be able to express himself clearly in writing and speaking. High school courses in geometry, physics, public speaking and grammar are helpful.

Training & Skills: A **Quartermaster** studies piloting and navigation, meteorology, the compass, time zones, ship communications systems, and navigational aids. He receives training on-the-job, by studying special manuals, or by attending a Navy school.

A **Quartermaster** may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Merchant Marine
- Motor Boat Operator
- Navigator
- Tugmaster

RADAR REPAIRMAN

Title: RADAR REPAIRMAN

Civilian D.O.T. No. 828.281

Occupation: The **Radar Repairman** operates, maintains and repairs radar equipment used to guide aircraft and seagoing vessels. He may work in aircraft control operations, in commercial fleet operations, or in law enforcement.

Related Military Occupations:

Air Force	Electronic Warfare Systems Specialist
Army	Defense Acquisition Radar Mechanic
Coast Guard	Radarman
Navy	Aviation Antisubmarine Warfare Technician

Composite Service Job Statement: In the Armed Services, the **Radar Repairman** may have duties that include operating, maintaining and repairing electronic detection systems. In addition, they may include determining if electromagnetic radiations come from surface, airborne, missile, or natural atmospheric sources. This general category also deals with tracking surface and airborne targets.

Related Occupations: (Civilian)

- Electronics Mechanic
- Electronics Specialist
- Radar Mechanic

Title: ELECTRONIC WARFARE SYSTEMS SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 32833

Occupation: Complicated gear aboard an Air Force plane can detect enemy gun positions and even disguise the position of an aircraft. The **Electronic Warfare Systems Specialist** installs, maintains and repairs this vital equipment.

Interests & Qualifications: It is desirable that an **Electronic Warfare Systems Specialist** complete high school. School courses in basic electronics, physics, math, and radio repair are helpful. You must have a score of at least Electronic 80 on the Armed Services Vocational Aptitude Battery. You must have normal color vision and be a U.S. citizen.

This Air Force specialty is open to women.

Training & Skills: To be an **Electronic Warfare Systems Specialist,** you must complete the Electronic Warfare Systems Specialist course (34 weeks) at Keesler Air Force Base, Biloxi, Mississippi. This course will teach you the basic operation of avionics electronic warfare and ground intercept and analysis equipment. You will learn to use tools to make repairs and how to use special purpose test equipment. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio Repairman
- Radio Mechanic

Title: DEFENSE ACQUISITION RADAR MECHANIC

Service: ARMY

AFSC/MOS/Rating: 24P

Occupation: The **Defense Acquisition Radar Mechanic** maintains and operates air defense acquisition radar. He uses test equipment to locate malfunctions and to determine maximum operating efficiency of all components.

Interests & Qualifications: A **Defense Acquisition Radar Mechanic** must have good mechanical aptitude as well as electrical/electronic reasoning ability. He must have good vision, eye-hand coordination and manual dexterity. High school courses in math, physics or electricity are most helpful. Hobbies such as ham radio construction or experience with radio/TV installation are also helpful.

Training & Skills: Those entering this field are taught the use of handtools, measuring devices and other specialized equipment to which they are assigned. Fundamentals of electrical/electronic theory are also taught along with the theory of high power and low power acquisition radar consoles and associated communications systems security devices.

Related Occupations: (Army)

- Weapons Support Radar Repairman
- Air Defense Radar Repairman

Title: RADARMAN

Service: COAST GUARD

AFSC/MOS/Rating: RD

Occupation: The **Radarman** operates all types of radar equipment to search for, locate, and track the movement of ships, aircraft, and other surface objects. He must also be able to apply tactical and operational communications procedures.

Interests & Qualifications: Radarmen should be average or above in general learning ability and able to work well with numbers. They must have good vision, normal hearing, and a clear voice. Background in math and shop courses in radio and electricity is helpful. Ham radio as a hobby is also helpful.

Training & Skills: Upon completion of recruit training, the **Radarman** may take 19 weeks of special training at Coast Guard Training Center, Governor's Island, New York. Or, he may train on-the-job under the guidance of experienced people, or by the study of manuals and publications. To advance, a **Radarman** must show he can work with such equipment as IFF equipment; radar repeaters; fathometer equipment; electronic warfare support equipment; and radio direction finding equipment.

Related Occupations: (Coast Guard)

- Quartermaster
- Sonar Technician
- Fire Control Technician

Title: AVIATION ANTISUBMARINE WARFARE TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: AX

Occupation: An **Aviation Antisubmarine Warfare Technician** inspects and repairs aircraft equipment used to detect submarines. He performs a wide range of electronic shop operations.

Interests & Qualifications: An **Aviation Antisubmarine Warfare Technician** must have electrical and mechanical skill. His math ability must be above average. He must have good hearing. High school courses in algebra, trigonometry, physics, electricity, and mechanics are helpful. Experience in electrical work is valuable.

Training & Skills: An **Aviation Antisubmarine Warfare Technician** studies basic electricity and electronics at a special Navy school. He may also receive training through on-the-job experience or the study of training manuals. An **Aviation Antisubmarine Warfare Technician** learns to test and repair aviation electronic equipment. An **Aviation Antisubmarine Warfare Technician** serves aboard aircraft carriers, at naval shore stations and wherever antisubmarine warfare aircraft may be assigned.

Related Occupations: (Civilian)

- Electronics Foreman
- Electrical Repairman
- Radio and Television Repairman

RADIO AND ELECTRICAL MECHANIC (AIRCRAFT)

Title: RADIO AND ELECTRICAL MECHANIC (AIRCRAFT)

Civilian D.O.T. No. 825.381

Occupation: The **Radio and Electrical Mechanic (Aircraft)** lays out, assembles and installs radio and electrical systems in aircraft and missiles. He also inspects systems for proper functioning and repairs those that are not working properly.

Related Military Occupations:

Air Force	Avionics Instrument Systems Specialist
Army	Avionic Communications Equipment Repairman
Coast Guard	Aviation Electronics Technician
Marine Corps	A/C Communication/Nav Sys Tech
Navy	Aviation Electronics Technician

Composite Service Job Statement: In the Armed Services, the **Radio and Electrical Mechanic (Aircraft)** maintains and repairs aircraft electronic communication equipment, radar systems and telemetering and missile control systems. He works from blueprints and other detailed specifications. He uses handtools and various testing tools.

Related Occupations: (Civilian)

- Electrical Inspector
- Electrician, Airplane
- Elevator Constructor

Title: AVIONICS INSTRUMENT SYSTEMS SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 32531

Occupation: As an **Avionics Instrument Systems Specialist**, you will install, inspect, repair, operate and modify avionic instruments and systems. You will also troubleshoot electrical components and wiring when inoperable.

Interests & Qualifications: It is desirable that an **Avionics Instrument Systems Specialist** complete high school. School courses in math and physics are helpful. You must have a score of Electronic 80 on the Armed Services

Vocational Aptitude Battery. You must have normal color vision.

This Air Force specialty is open to women.

Training & Skills: To be an **Avionics Instrument Systems Specialist,** you must complete The Avionics Instrument Systems Specialist course (17 weeks) at Chanute Air Force Base, Rantoul, Illinois. This course will train you in the basics of aviation electronics. You will learn to analyze, isolate and repair faulty instrument systems using special test equipment. You will be instructed on the calibration, alignment and balance of instrument assemblies.

(These training requirements are subject to change.)

Related Occupations: (Civilian)

- Electronics Mechanic
- Systems Tester

Title: AVIONIC COMMUNICATIONS EQUIPMENT REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 35L

Occupation: An **Avionic Communications Equipment Repairman** spots and diagnoses electronic communications equipment problems. He tests, adjusts and performs maintenance on electric communications equipment as needed.

Interests & Qualifications: An **Avionic Communications Equipment Repairman** needs math and mechanical skills. He needs to be able to reason well and to think clearly under pressure. It is important to have good eye-hand coordination, to work well with the fingers and hands, and to have good color and night vision. High school or trade school courses in electricity/electronics (radio, TV) are helpful.

Training & Skills: Those entering this field are taught to operate, adjust and maintain electrical and electronic communication devices; how to use, maintain and adjust the special tools used for this work; and how to diagnose and prevent problems that might cause an electronic communications breakdown. Instruction is also given in; aircraft circuitry, the use of test equipment, and how to perform work according to prescribed standards.

Related Occupations: (Army)

- Avionic Mechanic
- Special Electrical Devices Repairman

Title: AVIATION ELECTRONICS TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: AT

Occupation: The **Aviation Electronics Technician** is responsible for the operational condition of radio, radar and other electronic devices which are used for rapid communications, controlled landing approaches, detection of distressed vessels and other navigation equipment.

Interests & Qualifications: The **Aviation Electronics Technician** should be above average in learning ability. He should be good at solving math problems. He should also have a high degree of electrical and mechanical aptitude. School courses in algebra, trigonometry, physics, electricity, and mechanics are useful. Also experience in the electrical trades is helpful.

Training & Skills: Upon completion of recruit training, the **Aviation Electronics Technician** takes 28 weeks of intensive training at Coast Guard Aircraft Repair and Supply Center, Elizabeth City, North Carolina. He learns such things as how to calibrate, repair, and make performance measurements; to make detailed mechanical, electrical, and electronic checks; and to act as aircraft communicators. To advance, the **Aviation Electronics Technician** must show that he knows and uses all safety rules.

Related Occupations: (Coast Guard)

- Electronics Technician
- Electrician's Mate
- Telephone Technician

Title: A/C COMMUNICATION/NAV SYS TECH

Service: MARINES

AFSC/MOS/Rating: 6612

Occupation: The A/C Communication/Nav Sys Tech installs, tests and repairs communication systems. He works with electronic schematic drawings, wiring diagrams and other technical data.

Interests & Qualifications: If you enjoy studying physics and working with things electrical and mechanical, you might like this position.

Helpful high scool courses include math, physics and shop.

A security clearance will be required.

Training & Skills: The technician must be familiar with such theories as the operation of vacuum tubes, transistors and solid state devices. He needs to know how to test communication systems before and after flights. In training, he studies elementary electricity and physics; aircraft and navigational aids and electronic circuit fundamentals. A 20-week training program in avionics technician school is available at the Naval Air Technical Training Center and the Naval Air Station, Memphis, Tennessee.

Related Occupations: (Marines)

- Telecommunications Maintenance
- Electronics Maintenance

Title: AVIATION ELECTRONICS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: AT

Occupation: An **Aviation Electronics Technician** tests and repairs aircraft electronic equipment. He checks and adjusts electrical wiring, radar controls, and communication equipment.

Interests & Qualifications: An **Aviation Electronics Technician** needs to have mechanical and electrical skill. He should be able to use numbers in practical problems. High school courses in algebra, trigonometry, physics, electricity, radio, or mechanics are helpful. Experience in working with radios or electronics is valuable. An **Aviation Electronics Technician** needs good vision, hearing and color perception.

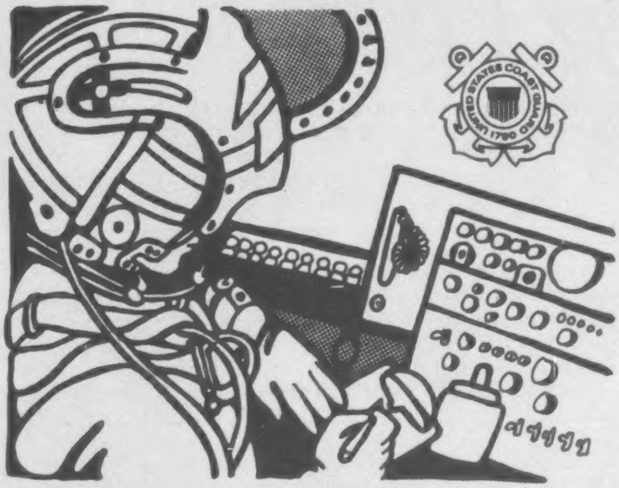
Training & Skills: An **Aviation Electronics Technician** learns about computers, electronics, transmitters, and communications. He learns by on-the-job training, by study of special books, or by training at a Navy school.

An **Aviation Electronics Technician** works aboard aircraft carriers, at naval air stations, and wherever Navy aircraft may be assigned.

Related Occupations: (Civilian)

- Radio and Television Repairman
- Electrical Repairman
- Electrician

RADIO MECHANIC



Title: RADIO MECHANIC

Civilian D.O.T. No. 823.281

Occupation: The **Radio Mechanic** tests and repairs radio transmitting and receiving equipment in accordance with diagrams and manufacturer's specifications, using handtools and electrical measuring instruments

Related Military Occupations:

Air Force	Ground Radio Communications Equipment Repairman
Army	Fixed Station Radio Repairman
Coast Guard	Electronics Technician
Navy	Electronics Technician

Composite Service Job Statement: In the Armed Services, the **Radio Mechanic** tests and repairs radio transmitting and receiving equipment using oscilloscopes, radio frequency and watt meters, ammeters, volt meters and tube testers. He replaces defective components and parts such as tubes, condensers, transformers, resistors, and generators.

Related Occupations: (Civilian)

- Radio Equipment Installer
- Radio Repairman
- Flight Mechanic

Title: GROUND RADIO COMMUNICATIONS EQUIPMENT REPAIRMAN

Service: AIR FORCE

AFSC/MOS/Rating: 30434

Occupation: A **Ground Radio Communications Equipment Repairman** installs, inspects and performs maintenance on ground radio communications equipment. He adjusts, aligns, tunes and makes repairs to obtain maximum operating conditions.

Interests & Qualifications: It is desirable that a **Ground Radio Communications Equipment Repairman** complete high school. School courses in electronics, physics and math are helpful. You must have a score of Electronic 80 on the Armed Services Vocational Aptitude Battery. You must have normal color vision.

This Air Force specialty is open to women.

Training & Skills: A Ground Radio Communications Equipment Repairman course (29-33 weeks) is available at Keesler Air Force Base, Biloxi, Mississippi. Course instruction includes learning the function and operation of ground radio equipment. Methods of assembly, disassembly and repair are taught in order to locate and isolate malfunctions. The use of test equipment to calibrate assemblies is also taught. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio Repairman
- Radio Mechanic

Title: FIXED STATION RADIO REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 32H

Occupation: A **Fixed Station Radio Repairman** installs and maintains fixed station radio receivers and transmitter equipment. He removes faulty components, replaces defective parts, and insures proper operation of radio equipment.

Interests & Qualifications: A **Fixed Station Radio Repairman** must have mechanical skill in installation and mental aptitude for electronics. He needs a basic understanding of math and to have the ability to reason and think clearly under pressure. It is important to have good eye-hand coordination, manual dexterity, pitch acquity, and good color and night vision. Training in mathematics, physics, or electronics and experience as a "ham" radio operator are helpful.

Training & Skills: Those entering this field are taught to operate, install, adjust and maintain high-frequency radio receivers and transmitters to include erection of appropriate antenna systems; how to use, maintain, and adjust special tools used for work; and how to diagnose, prevent, and correct problems that might cause a radio station breakdown. Instruction is also given in circuitry, use of test equipment, and use of technical publications.

Related Occupations:

- Fixed Station Chief
- Fixed Station Attendant

Title: ELECTRONICS TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: ET

Occupation: The **Electronics Technician** performs inspection and repair of sophisticated electronics equipment, radio receivers and transmitters, and sonar equipment.

Interests & Qualifications: Electronics Technicians should be interested in electronics. They should have an aptitude for fine, detailed, mechanical work and be above average in ability to solve math problems. School courses in electricity, physics, algebra, trigonometry, and shop are helpful. Also helpful is experience in any mechanical or electrical trade.

Training & Skills: Upon completion of recruit training, the **Electronics Technician** goes to a 17-30 week school at Coast Guard Training Center, Governor's Island, New York. He learns to maintain, repair, calibrate, tune, and adjust electronic systems for communication, detection, tracking, recognition, and identification; for aids to navigation; for electronic countermeasures; and, for radiac.

Related Occupations: (Coast Guard)

- Electrician's Mate
- Sonar Technician
- Fire Control Technician

Title: ELECTRONICS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: ET

Occupation: An **Electronics Technician** maintains and repairs all electronics equipment on ships and stations. He uses tools and testing devices to calibrate, tune and adjust equipment.

Interests & Qualifications: An **Electronics Technician** needs electrical and mechanical skill. He should be able to think clearly and deal with practical math. High school courses in radio, electricity, physics, algebra, trigonometry, and shop are helpful. Experience in amateur radio, mechanical trades or electrical trades is valuable.

Training & Skills: An **Electronics Technician** learns to use electronic test equipment. He is taught to use hand tools, to repair and maintain electrical equipment and to use emergency and portable power supply equipment.

Training for this job is provided at a Navy school.

An **Electronics Technician** may serve aboard ship or at shore stations. He may also be assigned to flight duty.

Related Occupations: (Civilian)

- Electrical Repairman
- Radio and TV Repairman
- Electronics Foreman

RADIO-TELEGRAPH OPERATOR

Title: RADIO-TELEGRAPH OPERATOR

Civilian D.O.T. No. 193.282

Occupation: The **Radio-Telegraph Operator** works in a radio station or airport transmitting and receiving messages. He operates radio-telegraph and teletype equipment.

Related Military Occupations:

Air Force	Radio Operator
Army	Multichannel Communication Equipment Operator
Coast Guard	Radioman
Marine Corps	Radio-Telegraph Operator
Navy	Radioman

Composite Service Job Statement: In the Armed Services, the **Radio-Telegraph Operator** has duties that include setting up field radio equipment to transmit messages by voice; tuning controls to adjust voice volumes and modulation; and setting the transmitter on specified frequencies. He conducts routine tests with electronic testing equipment to maintain communication systems in operative condition. He may drive communication vehicles. In addition, he may be involved with telegraph equipment as well as radio equipment.

Related Occupations: (Civilian)

- Airline Radio Operator
- Dispatcher
- Radio-Telephone Operator

Title: RADIO OPERATOR

Service: AIR FORCE

AFSC/MOS/Rating: 29333

Occupation: As a **Radio Operator,** you will operate radio sending and receiving equipment in a variety of places and situations. Part of your job will be to receive, log, route or relay radio traffic.

Interests & Qualifications: It is desirable that a **Radio Operator** complete high school. School courses in electronics are helpful. You must score at least Administrative 60 on the Armed Services Vocational Aptitude Battery. You must be able to meet basic physical requirements. He should be able to speak clearly and have unrestricted use of the fingers and hands.

This Air Force specialty is open to women.

Training & Skills: To be a **Radio Operator,** you must attend the Radio Operator course (19 weeks) at Keesler Air Force Base, Biloxi, Mississippi. You will learn to make adjustments and perform maintenance on communication equipment including interphone systems and radio compasses. You will be instructed in coding and decoding classified materials. You will learn to interpret radio signals and how to operate jamming devices if necessary.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio-Telephone Operator
- Airline Radio Operator

Title: MULTICHANNEL COMMUNICATIONS EQUIPMENT OPERATOR

Service: ARMY

AFSC/MOS/Rating: 31M

Occupation: A **Multichannel Communications Equipment Operator** installs, operates and performs maintenance on field radio relay equipment. He assembles and interconnects equipment on sites he selects.

Interests & Qualifications: A **Multichannel Communications Equipment Operator** needs to have mechanical skills and good verbal and reasoning abilities. High school courses in electricity, physics, math, mechanical drawing and drafting are helpful as well as an aptitude for installation and repair work.

Training & Skills: School courses are available for this occupation and include those such as field radio mechanic, teletypewriter repairman and field systems repairman. Training received plus on-the-job experience will give the trainee the ability to perform operating adjustments and alignment on field radio relay equipment and the ability to recognize electronic jamming and apply appropriate countermeasures. He also learns to maintain reports on station operation.

Related Occupations: (Army)

- Area Communication Chief
- Tactical Circuit Controller

Title: RADIOMAN

Service: COAST GUARD

AFSC/MOS/Rating: RM

Occupation: The **Radioman** handles the transmitting and receiving of messages which enable Coast Guard units to help distressed vessels. This includes operating and maintaining radio equipment. He must be an expert in voice communications, Morse Code and teletype, and be able to handle responsibility in pressure situations.

Interests & Qualifications: The **Radioman** should be average or above in general learning ability. He needs good hearing and a clear speaking voice. He also needs to be able to work well with his hands and fingers. School training of a technical nature in physics and electricity is helpful. Also of value are the ability to type and experience as an amateur radio operator.

Training & Skills: Upon completion of recruit training, The **Radioman** goes to a 20-week school at Coast Guard Training Center, Petaluma, California.

Skills learned by the **Radioman** include operating communication transmission and reception equipment; and transmitting and receiving Morse Code and voice communications.

Related Occupations: (Coast Guard)

- Quartermaster

Title: RADIO-TELEGRAPH OPERATOR

Service: MARINES

AFSC/MOS/Rating: 2533

Occupation: The **Radio-Telegraph Operator** operates and performs preventive maintenance on radio telegraph equipment.

Interests & Qualifications: The **Radio-Telegraph Operator** must be able to transmit at least 14 words per minute and receive at least 16 words per minute using international morse code. In addition, the **Radio-Telegraph Operator** must type at least 30 words per minute. Helpful high school courses include typing and electronics. Physical abilities include good hearing, good eye-hand coordination, and good finger dexterity.

Training & Skills: The **Radio-Telegraph Operator** learns, in addition to operating radio telegraph equipment, to set up equipment, to select assigned frequency channel and establish contact with other stations, to prepare messages for transmission, to maintain records of messages sent and received, and to perform preventive maintenance on all radio telegraph and related equipment.

Related Occupations: (Marines)

- Field Radio Operator
- Microwave Equipment Operator

Title: RADIOMAN

Service: NAVY

AFSC/MOS/Rating: RM

Occupation: A **Radioman** sends, receives, routes and logs radio messages. He makes certain that security regulations are observed. He repairs and tunes radio equipment.

Interests & Qualifications: A **Radioman** needs good hearing and learning ability. He must be able to learn radio code. Manual dexterity is important for a **Radioman.** High school courses in math, physics, electricity, and typing are helpful. Amateur radio experience is valuable.

Training & Skills: A **Radioman** receives training in typing, operation of communications equipment, international Morse Code, radiotelephone communications, basic electronics and maintenance and testing of communication equipment. He learns on-the-job, by studying special manuals, or by attending a Navy school.

A **Radioman** serves on all types of ships and at radio stations ashore.

Related Occupations: (Civilian)

- Radio Dispatcher
- Radio Mechanic
- Telegrapher
- Teletype Operator

RADIOLOGIC TECHNOLOGIST (X-RAY)

Title: RADIOLOGIC TECHNOLOGIST (X-RAY)

Civilian D.O.T. No. 078.368

Occupation: The **Radiologic Technologist (X-Ray)** takes X-rays of patients and develops exposed film. He assists the physician in treating diseased areas of the body, by exposing areas to specified concentration of X-Rays.

Related Military Occupations:

Air Force	Radiology Specialist
Army	X-Ray Specialist
Coast Guard	Hospital Corpsman
Navy	Hospital Corpsman

Composite Service Job Statement: In the Armed Services, the **Radiologic Technologist (X-Ray)** operates medical x-ray equipment in the performance of x-ray examinations and therapeutic treatment. He assists the radiologist in x-ray therapy and special radiographic processes. He processes x-ray film and maintains them on file as well as on department records. He may perform operational maintenance on medical x-ray equipment.

Related Occupations: (Civilian)

- E.E.G. Technician
- E.K.G. Technician
- X-Ray Assistant

Title: RADIOLOGY SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 90330

Occupation: A **Radiology Specialist** assists the radiologist. This includes operating x-ray machines and preparing the patient for them. The **Radiology specialist** also develops x-ray film and makes sure all equipment is ready for use.

Interests & Qualifications: It is desirable that a **Radiology Specialist** complete high school. School courses in general science, physics, anatomy or physiology are helpful. You must have a score of at least General 60 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: To be a **Radiology Specialist,** you must complete the Radiology Specialist course (18 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. This course will teach you to operate fixed and portable x-ray machines. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- X-Ray Technologist

Title: X-RAY SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 91P

Occupation: The **X-Ray Specialist** takes x-rays. He removes and processes exposed x-ray film, then forwards it to a radiologist for interpretation.

Interests & Qualifications: An **X-Ray Specialist** must be stable, and have the ability to work closely with others. He needs to be dependable. High school courses in first aid, chemistry, health, hygiene or biology are helpful. Experience as a doctor's assistant or a nurse's aide is extremely helpful.

ARMY

Training & Skills: While the Army provides all the training needed in this field, any knowledge the student has about medical care and treatment will be helpful in mastering the Army training given. Those entering this field are trained to determine proper voltage, current and exposure time, how to adjust controls, position patients, prepare and administer contrast media, select and insert film, and remove and process exposed x-ray and cine film.

Related Occupations: (Army)

- Cardiac Laboratory Specialist
- Hospital Corpsman
- Medical Specialist

Title: HOSPITAL CORPSMAN

Service: COAST GUARD

AFSC/MOS/Rating: HM

Occupation: The **Hospital Corpsman** is responsible for a variety of medical duties. He performs minor surgery repairs, preventive medicine inspections, pest control operations, and knows medical administration. He also conducts first aid and health classes and lectures.

Interests & Qualifications: The **Hospital Corpsman** should be average or above in learning ability. Interests should be towards the natural sciences school courses in anatomy and physiology, biology, chemistry, general math, english composition, and typing provide an excellent background.

Training & Skills: After recruit training, the **Hospital Corpsman** receives 24 weeks of instruction and practical application at the Coast Guard Academy, New London, Connecticut. He is trained in anatomy and physiology, physical diagnosis, treatment, laboratory procedures, x-ray techniques, minor surgery, pharmacy, first aid, pest control, and preventive medicine.

Related Occupations: (Coast Guard)

- Dental Technician

Title: HOSPITAL CORPSMAN

Service: NAVY

AFSC/MOS/Rating: HM

Occupation: A **Hospital Corpsman** performs medical and clerical duties. He takes and develops x-rays, performs laboratory tests, fills prescriptions, and assists in hospital food service programs. He applies first aid as well.

Interests & Qualifications: A **Hospital Corpsman** should have a desire to help others and a friendly personality. He should have a practical knowledge of math. High school courses in health, biology, physiology, and typing are helpful. First aid or hospital experience is valuable.

Training & Skills: A **Hospital Corpsman** is trained in a Navy school. He learns first aid and minor surgery; laboratory procedures; basic anatomy; pharmacy; nursing; and dietetics.

A **Hospital Corpsman** may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Medical Technician
- Practical Nurse
- First Aid Attendant

REFRIGERATION MECHANIC

Title: REFRIGERATION MECHANIC

Civilian D.O.T. No. 637.281

Occupation: The **Refrigeration Mechanic** installs and repairs industrial and commercial refrigeration and cooling systems. He reads gauges and instruments and adjusts mechanisms to control temperature in systems.

Related Military Occupations:

Air Force	Refrigeration and Air Conditioning Specialist
Army	Heating & Cooling Specialist
Coast Guard	Machinery Technician
Marine Corps	Refrigeration Mechanic
Navy	Aviation Structural Mechanic

Composite Service Job Statement: In the Armed Services, the **Refrigeration Mechanic** installs, modifies, and repairs refrigeration, air conditioning and ventilation equipment and systems. He installs mechanical, electronic and sensing devices to control flow and temperature of air, refrigerants, or other fluids. He conducts tests of installed equipment. He connects tubing instruments together to carry the air flow.

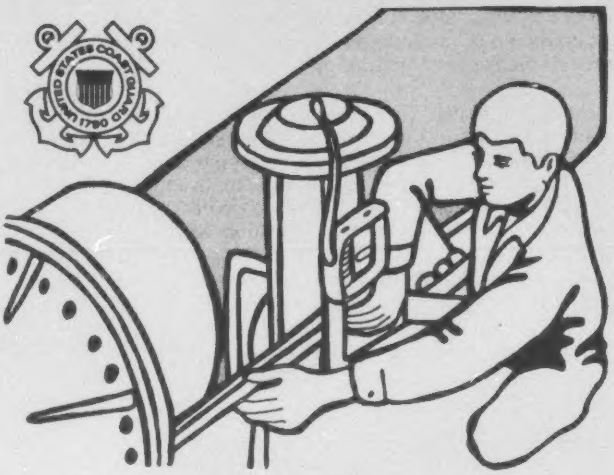
Related Occupations: (Civilian)

- Air Conditioning Mechanic
- Gas Appliance Serviceman
- Pump Erector

Title: REFRIGERATION AND AIR CONDITIONING SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 54530



Occupation: A **Refrigeration and Air Conditioning Specialist** installs, maintains and repairs air conditioning, refrigeration, air compressing, and ventilation equipment. He reads blueprints and specifications for air-conditioning installations.

Interests & Qualifications: It is desirable that a **Refrigeration and Air Conditioning Specialist** complete high school. School courses in shop are helpful. You must have a score of at least Electronic or Mechanical 50 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: To be a **Refrigeration and Air Conditioning Specialist**, you must attend the Refrigeration and Air Conditioning Specialist course (17 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Training includes interpretation of blueprints, drawings, and specifications of various units and components. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Refrigeration Mechanic
- Refrigeration Unit Repairman

Title: HEATING AND COOLING SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 51L

Occupation: A **Heating and Cooling Specialist** installs and repairs refrigeration and heating equipment. He also reads temperature gages, sets and adjusts equipment, instructs others in operation and inspects and tests equipment.

Interests & Qualifications: A **Heating and Cooling Specialist** must have good eye-hand coordination. He must work well with his hands and be able to work with tools, machinery, blueprints and drawings. High school courses in metal shop, electronics, and welding are helpful. Useful hobbies would include ham radio or any activity involving electronic repair or maintenance.

Training & Skills: Those entering this field are taught the names and characteristics of tools, supplies, and equipment used. They also learn how to take care of them and safety rules to follow. In addition to training on-the-job, school courses are offered. They learn how to install refrigeration and heating equipment such as ice making machines and air conditioning units. They are instructed to read gauges and meters and how to regulate fluid temperature and air flow through these systems.

Related Occupations: (Army)

- Plumber
- Heating and Ventilating Specialist
- Utilities Foreman

Title: MACHINERY TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: MK

Occupation: The **Machinery Technician** operates, maintains, and repairs internal combustion engines. He also works on propulsion boilers, steam turbines and power transmission equipment.

Interests & Qualifications: A **Machinery Technician** should be average or above in math. He should have an aptitude for mechanics. Helpful school studies include machine shop, electricity, and various math courses. Experience as a mechanic, machinist, or power plant operator is very helpful.

Training & Skills: After recruit training, the **Machinery Technician** may attend a 16-week school at the Coast Guard Reserve Training Center, Yorktown, Virginia. Or, he may train on-the-job or through the study of manuals and publications.

The **Machinery Technician** may learn to maintain and repair a number of related machines and engines including air-conditioning equipment, cranes, winches, and elevators.

Related Occupations: (Coast Guard)

- Damage Controlman
- Electrician's Mate

Title: REFRIGERATION MECHANIC

Service: MARINES

AFSC/MOS/Rating: 1161

Occupation: The **Refrigeration Mechanic** works with refrigeration and air-conditioning equipment.

He installs, operates, maintains and repairs it. The work is planned after examining drawings.

Interests & Qualifications: This position is open to both men and women.

The **Refrigeration Mechanic** should like to work with his hands and fix things. Helpful high school courses include basic math, physics, and chemistry.

Training & Skills: Depending on his grade, some of the skills required are testing and repairing equipment. He also needs to know about storing refrigerants. Knowing how to read drawings of refrigeration and air-conditioning systems is also necessary. Supervising the installation and operation of refrigeration systems may be required. In training, he studies basic principles of refrigeration. He also learns about heat transfer theory and splicing. Training is available at Camp Lejeune, North Carolina for 7 weeks.

Related Occupations: (Marines)

- Electrician
- Utilities Chief
- Electrical Equipment Repairman

Title: AVIATION STRUCTURAL MECHANIC

Service: NAVY

AFSC/MOS/Rating: AM

Occupation: An **Aviation Structural Mechanic** maintains and repairs aircraft parts and equipment. He builds replacement parts for aircraft. He works with riveting and welding tools.

Interests & Qualifications: An **Aviation Structural Me-**

chanic needs mechanical skill. He should like to build and repair things. High school courses in metal and woodworking shop, algebra, plane geometry, and physics are helpful. Work experience in aircraft manufacturing, auto body work, and mechanical work is valuable.

Training & Skills: An **Aviation Structural Mechanic** learns to use power and hand tools. He learns to inspect an aircraft and identify defects. He is taught to repair and maintain aircraft parts. He learns painting, welding and riveting. He may receive on-the-job training or attend a Navy school.

An **Aviation Structural Mechanic** may be stationed on an aircraft carrier or at a naval air station.

Related Occupations: (Civilian)

- Auto Body Repairman
- General Welder
- Tire Rebuilder
- Painter

REPORTER

Title: REPORTER

Civilian D.O.T. No. 132.268

Occupation: The **Reporter** collects and analyzes facts about news-worthy events by interview, investigation, or observation and writes news stories conforming to prescribed editorial techniques and formats. He refers stories to supervising editor for approval.

Related Military Occupations:

Air Force	Information Specialist
Army	Information Specialist
Coast Guard	Photo-Journalist
Marine Corps	Press Information Man
Navy	Journalist

Composite Service Job Statement: In the Armed Services, the **Reporter** collects material for news stories and feature articles by personal interviews, witnessing and transcribing events. He writes articles for press release and public information. He coordinates his work with photographers providing them with thematic material for their photos. He writes picture captions and may assist in the publishing of newspapers or magazines.

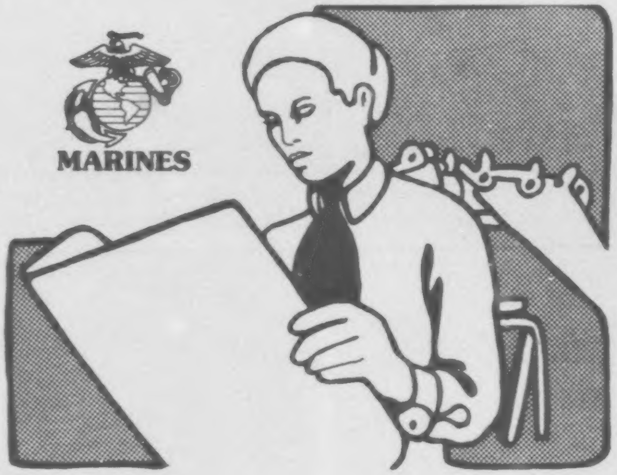
Related Occupations: (Civilian)

- Correspondent
- Manuscript Reader
- Staff Writer

Title: INFORMATION SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 79130



Occupation: An **Information Specialist** prepares news and feature items for unit and civilian publications. Work also involves distribution of materials, recording historical data, and assisting in military-community relations programs.

Interests & Qualifications: You must complete high school to be an **Information Specialist.** You must have a score of at least General 80 on the Armed Services Vocational Aptitude Battery. You must type at least 35 words per minute and have 2 years of English. Ability to speak clearly will be of help.

This Air Force specialty is open to women.

Training & Skills: A Basic Information Specialist course lasting 10 weeks is offered at Defense Information School, Fort Benjamin Harrison, Indiana. The **Information Specialist** learns to prepare news and feature stories; to assist still and motion picture photographers; to research news, library, and historical files; and to assist in the editing and layout of material. He is trained to assist in military-community relations programs. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Historian
- Public Relations Man
- Copy Reader (Print and Publish)

Title: INFORMATION SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 71Q

Occupation: An **Information Specialist** writes news stories. He reviews news wire items, prepares press releases, and checks information with the local civilian press and with the command.

Interests & Qualifications: An **Information Specialist** should be able to work closely with others, make decisions, and be able to secure a secret security clearance. High school courses in typing, shorthand, and bookkeeping are helpful. Also helpful is office or newspaper experience.

An **Information Specialist** should be creative and quick to react. He needs to express himself well verbally.

Training & Skills: An **Information Specialist** learns to edit material for press release and how to operate camera equipment to complement his stories. He is taught layout techniques to assist in determining the formats to be used and he also writes headlines and captions for articles.

Related Occupations: (Army)

- Legal Clerk
- Court Reporter
- Broadcast Specialist
- Unit Clerk

Title: PHOTO-JOURNALIST

Service: COAST GUARD

AFSC/MOS/Rating: PA

Occupation: The **Photo-Journalist** helps maintain Coast Guard morale by getting news to shipmates and the public about the Coast Guard. He does this through written and pictorial reports about personnel and activities.

Interests & Qualifications: The **Photo-Journalist** must have the ability to write clearly, accurately, and quickly. He should have above average learning ability and have a command of the English language. Good personality traits are attentiveness, initiative, creativity, and poise under pressure. School courses in English, journalism, and typing are advantageous. Helpful hobbies are writing and photography.

Training & Skills: Upon completion of recruit training, the future **Photo-Journalist** receives guidance from an experienced **Photo-Journalist** and further training from specially designed publications and correspondence courses. The **Photo-Journalist** learns to write news releases, television and radio scripts, and ship and station newspapers and brochures. In addition, he takes and processes photographs and shoots motion picture footage.

Related Occupations: (Coast Guard)

- None

Title: PRESS INFORMATION MAN

Service: MARINES

AFSC/MOS/Rating: 4312

Occupation: The **Press Information Man** gathers material for news stories and feature articles. He also writes copy for press release. Preparing material for answers to questions and government news publications is part of the job too.

Interests & Qualifications: The **Press Information Man** likes to write. He also enjoys collecting facts and information. Helpful high school courses include English, journalism, social studies and typing. The Press Information Man needs to be able to type 20 words per minute.

This position is open to both men and women. Work on a high school or other newspaper would be good training.

Training & Skills: The **Press Information Man** needs to know proofreading and editing symbols. In training he studies newswriting, public relations, and press relations.

Training programs are available: Journalist, Basic Military, U.S. Army Defense Information School, Ft. Harrison, Indiana — 10 weeks and Advanced Information Specialist, Ft. Harrison, Indiana — 8 weeks. (The Advanced Information Specialist Course does not give the Marine his MOS, but is a career progression course.)

Related Occupations: (Marines)

- Reporter
- Radio and TV Information Man
- Radio and TV Script Writer

Title: JOURNALIST

Service: NAVY

AFSC/MOS/Rating: JO

Occupation: A **Journalist** assists in public relations matters. He writes news stories, articles and speeches about Navy people and activities. He runs ship or station newspapers, and produces radio and TV programs.

Interests & Qualifications: A **Journalist** needs clerical skill and writing ability. He should be a careful observer, have good reading habits, and have an active imagination. High school courses in English, journalism, speech and typing are helpful. Experience in writing, photography or radio and television broadcasting is valuable.

Training & Skills: Journalists receive training in news gathering, writing and editing, newspaper layout and makeup, news photography, radio and television, naval history, and naval public affairs policy. The **Journalist** learns through on-the-job experience, the study of special manuals, or by attending a Navy school.

Journalists may be stationed aboard ship or at shore stations.

Related Occupations: (Civilian)

- Editorial Assistant
- Reporter
- Proofreader
- Scriptwriter

SECRETARY

Title: SECRETARY

Civilian D.O.T. No. 201.368

Occupation: The **Secretary** performs office duties as directed by an employer. He types letters, memos, and reports, and may also act as a receptionist.

Related Military Occupations:

Army	Stenographer
Coast Guard	Yeoman
Marine Corps	Personnel Clerk
Navy	Yeoman

Composite Service Job Statement: In the Armed Services, the **Secretary** schedules appointments, gives information to callers, takes dictation and performs general clerical work. He sorts mail, locates files, transcribes letters, composes and types routine correspondence. He schedules appointments for staff and places calls for them. He organizes and coordinates various staff functions.

Related Occupations: (Civilian)

- Clerical Typist
- Legal Secretary
- Medical Secretary

Title: STENOGRAPHER

Service: ARMY

AFSC/MOS/Rating: 71C

Occupation: A **Stenographer** takes and records dictation and prepares stencils. He also runs the copy machine, makes appointments and sets up meetings as well as keeps files current.

Interests & Qualifications: A **Stenographer** should know how to type, do bookkeeping and know shorthand. He should be familiar with office procedures. It is important that he be able to work closely with others and make decisions. High school business courses are helpful, as is any office experience.

Training & Skills: Those entering this field are given training in preparing and typing reports, records, and documents. They are also trained to handle simple pay and accounting duties. They are taught to transcribe dictation of correspondence, telephone conversations, discussion in staff meetings and investigations. They learn to prepare indorsements, court-martial orders, circulars and bulletins. They learn how to run the telephone equipment used by the office to direct calls received to proper individuals.

Related Occupations: (Army)

- Clerk Typist
- Medical Records Clerk
- Administrative Specialist

Title: YEOMAN

Service: COAST GUARD

AFSC/MOS/Rating: YN

Occupation: The **Yeoman** performs a wide variety of administrative functions including preparation and typing of letters and reports, maintenance of personnel and unit records, distribution of official and personal mail, and court reports for Courts-Martial and Boards of Inquiry.

Interests & Qualifications: **Yeomen** need qualifications similar to those of secretaries, stenographers and typists in private industry. **Yeomen** should be above average in general learning ability, should possess a degree of manual dexterity and must be able to work well with others in an office organization. Courses in English and in business subjects such as typewriting and filing are very useful.

Training & Skills: Upon completion of recruit training, special training for **Yeoman** begins with 13-weeks of instruction at Coast Guard Training Center, Petaluma, California. Sometimes, training is received on-the-job, sometimes by studying special manuals. **Yeoman** duties may include typing 30 to 50 words per minute; taking dictation; writing letters and other documents; serving as a unit mail man; compiling and keeping records; supervising some or all of these activities.

Related Occupation: (Coast Guard)

- Storekeeper

Title: PERSONNEL CLERK

Service: MARINES

AFSC/MOS/Rating: 0121

Occupation: The **Personnel Clerk** prepares personnel forms by either getting data from records or by interviewing individuals. He maintains officer qualifications records and enlisted service records.

Interests & Qualifications: This position is open to both men and women.

The **Personnel Clerk** works in an office setting. He needs to be able to work carefully with forms and records. Helpful high school courses include English, typing, basic math and office practice. He must be able to type at least 20-35 words per minute, know correct English, usage, punctuation and spelling.

Training & Skills: The **Personnel Clerk** must be able to furnish information regarding American Red Cross, Navy Relief and government insurance programs. He must be able to prepare, maintain and audit service records and reports. A Basic Administrative Clerk Training Course is to be completed first, followed by the Personnel Clerk Course or demonstration of MOS qualification through performance and completion of appropriate MCI courses. Other courses are available at Marine Corps Depot, Parris Island and MCB, Camp Pendleton.

Related Occupations: (Marines)

- Administrative Clerk
- Personnel Chief
- Personnel/Administrative Chief

Title: YEOMAN

Service: NAVY

AFSC/MOS/Rating: YN

Occupation: A **Yeoman** performs office secretarial duties. These include typing, filing, duplicating, and handling telephone communications. He also maintains records and prepares correspondence and reports.

Interests & Qualifications: A **Yeoman** should be above average in general learning ability. He should be able to perform detailed tasks and get along well with people. High school courses in English, typing and stenography are helpful as is clerical experience.

Training & Skills: A **Yeoman** is trained in typing, handling classified materials, correspondence and filing, legal records and procedures, and personnel administration. Training for **Yeoman** may be received through Navy schools or through on-the-job training combined with a study of Navy training courses.

A **Yeoman** is assigned to Navy offices on ships and ashore.

In addition to his other duties, he may requisition office supplies or be a court-martial reporter.

Related Occupations: (Civilian)

- Office Manager
- File Clerk
- Administrative Assistant
- Court Clerk

SHERIFF (DEPUTY)

Title: SHERIFF (DEPUTY)

Civilian D.O.T. No. 377.868

Occupation: The **Sheriff (Deputy)** is a county law enforcement official. He is trained in the use of firearms and their ammunition. He is aware of safety measures to be used to protect life and property.

Related Military Occupations:

Army	Infantryman
Coast Guard	Gunner's Mate
Marine Corps	Military Policeman

Composite Service Job Statement: In the Armed Services, he learns to handle firearms and ammunition. He learns how to defend himself when attacked, and how to pursue and overcome law violators. Persons in this general category also handle field communications and develop skills in reacting to personal danger.

Related Occupations: (Civilian)

- Detective
- Investigator
- Security Officer

Title: INFANTRYMAN

Service: ARMY

AFSC/MOS/Rating: 11B

Occupation: An **Infantryman** serves as a member of an infantry squad. He arms and fires rifles, uses cover and camouflage, interprets hand and arm signals, maintains weapons and applies first aid.

Interests & Qualification: An **Infantryman** must have good vision. He must do rugged physical work, and be emotionally stable. An intesest in competitive sports, a preference for the outdoors, and having trained with a rifle team are all helpful. Useful high school courses include mechanical or electrical subjects or auto mechanics.

Training & Skills: Those entering this field are taught to use and mainiain weapons, vehicles and equipment. They learn how to use field radio and telephone gear, sound locating equipment, and radar equipment. They learn to identify enemy personnel, prepare simple demolitions and minefields. They learn to read a compass, maps and aerial photographs to locate position. They are trained in hand-to-hand combat and procedures to escape and evade the enemy.

Related Occupations: (Army)

- Infantry Indirect Fire Crewman
- Armor Reconnaissance Specialist

Title: GUNNER'S MATE

Service: COAST GUARD

AFSC/MOS/Rating: GM

Occupation: The **Gunner's Mate** is an expert in everything from small arms to rocket launchers. He operates, maintains, and repairs all gunnery equipment and handles ammunition.

Interests & Qualifications: A **Gunner's Mate** should be above average in general learning ability. He should have a high degree of mechanical aptitude. School training in mathematics, electricity, physics, and shop work provides a helpful background.

Training & Skills: Upon completion of recruit training, the **Gunner's Mate** may take 18 weeks of training at Coast Guard Training Center, Governor's Island, New York. Sometimes, training is on-the-job and study of manuals and publications. He learns to operate, maintain, and repair small arms, torpedo tubes, mortars, guns, gun mounts, and related equipment. He also inspects electric, hydraulic, and mechanical gunnery systems. He inspects or supervises the inspection of ammunition and ordnance components.

Related Occupations: (Coast Guard)

- Fire Control Technician

Title: MILITARY POLICEMAN

Service: MARINES

AFSC/MOS/Rating: 5811

Occupation: The **Military Policeman** performs a number of law enforcement duties. Some of them involve either foot or car patrol. Others are controlling traffic or checking passes or interviewing witnesses or victims.

Interests & Qualifications: The **Military Policeman** must be at least 19 years old and be a high school graduate. The minimum height is 68 inches. He must have no convictions by civil or military courts (except minor violations). He should have no history of mental disorders. This specialty is open to women.

Training & Skills: Depending on his grade, the **Military Policeman** must know how to do first aid and know how to control crowds and traffic. He must be able to interview witnesses, victims and suspects. In training, he studies the techniques of corrections and law enforcement and learns the principles of security and polygraph operation. There is a basic 7-week course for this occupation at Ft. McClellan, Alabama. Once the 5811 MOS is attained, other career progressions courses are available.

Related Occupations: (Marines)

- Accident Investigator
- Criminal Investigator

SHIPPING CLERK

Title: SHIPPING CLERK

Civilian D.O.T. No. 222.138

Occupation: The **Shipping Clerk** works in a shipping department handling incoming and outgoing materials. Each package received is properly marked, sorted, and routed. The **Shipping Clerk** keeps records of each order.

Related Military Occupations:

Air Force	Material Facilities Specialist
Army	Stock Control and Accounting Specialist
Coast Guard	Storekeeper
Marine Corps	Freight Transportation Clerk
Navy	Aviation Storekeeper

Composite Service Job Statement: In the Armed Services, the **Shipping Clerk** supervises and coordinates activities of workers and assists in receiving, storing, loading, shipping and unloading supplies. He prepares forms and maintains records concerning inbound and outbound shipments. He schedules and expedites movement of freight according to prescribed regulations. He prepares inventories and forms for recording quantity and condition of property received.

Related Occupations: (Civilian)

- Distributing Clerk
- Expediter
- Loader Foreman
- Receiving Clerk

Title: MATERIAL FACILITIES SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 64730

Occupation: The **Material Facilities Specialist** receives, stores, and prepares shipments of materials. He inventories, classifies and identifies property. He inspects shipments for damage and makes reports.

Interests & Qualifications: It is desirable that a **Material Facilities Specialist** complete high school. School courses in math are helpful. You must have a score of General 40 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: A Material Facilities Specialist course (6 weeks) is available at Lowry Air Force Base, Denver, Colorado for enlistees. Enlistees are taught the proper storage and shipment of materials, and how to route and arrange for transportation for the transfer of materials. Inventory procedures are taught as well as methods of inspection and the proper techniques to dispose of unserviceable items. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Shipping Clerk
- Stock Clerk
- Inventory Clerk, Storeroom

Title: STOCK CONTROL AND ACCOUNTING SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 76P

Occupation: A **Stock Control and Accounting Specialist** keeps records on the receipt and distribution of material. He operates office machines, assists in inventory and accounting, and fills requests.

Interests & Qualifications: A **Stock Control and Accounting Specialist** should be interested in office work and working with figures. He should also know basic math and be able to lift and carry heavy loads. He may have to stand for long periods. High school courses in accounting, bookkeeping or other commercial subjects are helpful background for this occupation.

Training & Skills: Those entering this field are taught how to receive, unload and store supplies. They learn how to inspect, identify, issue, deliver and transfer all types of supplies except ammunition, petroleum and explosives. Specialists also learn how to keep records, use office equipment and supply catalogs. They also learn stock control and accounting procedures, proper work standards and policies and how to evaluate inventory management activities.

Related Occupations: (Army)

- Supplyman
- Medical Supply and Parts Specialist
- Procurement Sergeant

Title: STOREKEEPER

Service: COAST GUARD

AFSC/MOS/Rating: SK

Occupation: The **Storekeeper** provides and accounts for a constant supply of pay, clothing, commissary items, and spare parts. He is also adept at personnel management and decision making.

Interests & Qualifications: Storekeepers should be average or above in general learning ability. They should be able to solve problems quickly and accurately. They must be able to write and print legibly. They must also record numbers accurately and neatly. School courses in bookkeeping, accounting, arithmetic and English are desirable, as is practical experience in stock inventorying and operating office machines.

Training & Skills: After recruit training, the **Storekeeper** may take 10 weeks training at Coast Guard Training Center, Petaluma, California. Sometimes, the **Storekeeper** is trained on-the-job and by study of manuals.

Among other things, the **Storekeeper** learns the principles of supply ordering, receiving, inventory, and disbursement.

Related Occupations: (Coast Guard)

- Yeoman

Title: FREIGHT TRANSPORTATION CLERK

Service: MARINES

AFSC/MOS/Rating: 3121

Occupation: The **Freight Transportation Clerk** does a number of things related to shipping supplies and equipment. He does such things as receiving, storing, shipping, loading, unloading, and maintaining records.

Interests & Qualifications: This position is open to both men and women.

The **Freight Transportation Clerk** should like to do the kinds of tasks one does in an office. He needs to be able to type 30 words per minute.

Helpful high school courses include English and basic math. Typing, bookkeeping, and general business are also useful.

Training & Skills: Depending on grade, he must be able to use the forms for receiving and shipping supplies. He also needs to know how to plan and operate a pick-up and delivery service. In training, he studies how to classify and identify stocks and materials. He also learns stock and inventory control. Using office machines and purchasing are also studied. The basic Freight Operations Man Course is available at Camp Lejeune and six other Marine Corps sponsored training sites. This is on-the-job training. (OJT).

Related Occupations: (Marines)

- Freight Operations Man
- Passenger Transportation Clerk

Title: AVIATION STOREKEEPER

Service: NAVY

AFSC/MOS/Rating: AK

Occupation: An **Aviation Storekeeper** buys, stores, checks and issues aircraft equipment accessories including flight clothing. He takes inventories of aircraft and keeps and prepares records.

Interests & Qualifications: An **Aviation Storekeeper** needs basic arithmetic ability. High school courses in bookkeeping, accounting, business arithmetic, typing and office practices are helpful. Work experience in an office or warehouse is valuable.

Training & Skills: An **Aviation Storekeeper** studies aviation supply procedures ashore and afloat. He learns methods of storing and packing, methods of taking inventory, Naval accounting and ordering and office procedures. An **Aviation Storekeeper** is provided training on-the-job, by studying special manuals or by attending a naval school.

An **Aviation Storekeeper** may serve aboard ship or ashore.

Related Occupations: (Civilian)

- Clerk Typist
- Material Clerk
- Fork Lift Operator
- Shipping Clerk

STATE HIGHWAY PATROLMAN

Title: STATE HIGHWAY PATROLMAN

Civilian D.O T. No. 375.268

Occupation: The **State Highway Patrolman** enforces rules and regulations as determined by the written law. He is responsible for ensuring the rights of citizens and their safety at all times.

Related Military Occupations:

Air Force	Law Enforcement Specialist
Army	Military Policeman
Coast Guard	Port Securityman (USCGR Only)
Marine Corps	Military Policeman
Navy	Master-At-Arms

Composite Service Job Statement: In the Armed Services, he performs foot or motorized patrol of an assigned area to enforce laws and protect life and property. He investigates unusual events and patrols military roads to insure proper speed limits are being observed. He prepares tickets and writes reports on offenders on the military base and testifies at legal proceedings as required.

Related Occupations: (Civilian)

- Parking Enforcement Officer
- Motor Cycle Patrolman
- State Trooper

Title: LAW ENFORCEMENT SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 81230

Occupation: A **Law Enforcement Specialist** enforces standards of conduct and insures that military rules and laws are obeyed. He protects personnel, equipment and facilities.

Interests & Qualifications: An Air Force **Law Enforcement Specialist** must meet the following standards: (A) never been convicted by a civilian court except for minor traffic offenses; (B) no history of juvenile delinquency in the past two years; and (C) a minimum height of 5'9". He must have a score of General 50 on the Armed Services Vocational Aptitude Battery, be able to pass a reliability screening and be emotionally stable.

Training & Skills: The Air Force offers a Law Enforcement Specialist course at Lackland Air Force Base, San Antonio, Texas (5 weeks). Training includes investigative procedures; the search of persons and property; handling military dogs; operating law enforcement vehicles and equipment; and the successful apprehension of suspects. (These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Patrolman
- Guard, Sergeant
- Guard

MARINES
_ICE

Title: MILITARY POLICEMAN

Service: ARMY

AFSC/MOS/Rating: 95D

Occupation: The **Military Policeman** studies offenses, examines evidence and writes reports on what he finds. He works with chemical analysis, photography and fingerprint examinations.

Interests & Qualifications: A **Military Policeman** must have normal vision, clear speech and the ability to reason and solve problems. High school courses in sociology and psychology, activity in athletics and leadership in group activities are helpful. An interest in social science or investigative work are important in this field.

Training & Skills: The Army provides the training needed in this field. This training includes laws and methods of apprehension, search and seizure, basics of judo and unarmed defense, and methods for stopping demonstrations and riots. Special service school courses in criminal investigation are provided along with on-the-job training.

Related Occupations: (Army)

- Military Policeman
- Corrections Specialist

Title: PORT SECURITYMAN (USCGR ONLY)

Service: COAST GUARD

AFSC/MOS/Rating: PS

Occupation: The **Port Securityman** is a specialist in the techniques, skills, and equipment necessary to enforce regulations for the protection and security of vessels, harbors, ports, and waterfront facilities.

Interests & Qualifications: The **Port Securityman** should be average or above in general learning ability. He should have normal hearing and vision. School courses in practical mathematics, chemistry, and English are helpful. In addition, any experience in law enforcement is very helpful.

Training & Skills: Upon completion of recruit training, further training for **Port Securityman** rating begins with 12 weeks of intensive training at Coast Guard Reserve Training Center, Yorktown, Virginia.

Among other things, he learns fire prevention and extinguishment and how to handle himself well in dangerous situations.

The **Port Securityman** rating is strictly a Coast Guard Reserve rating.

Related Occupations: (Coast Guard)

- Boatswain's Mate

Title: MILITARY POLICEMAN

Service: MARINES

AFSC/MOS/Rating: 5811

Occupation: The **Military Policeman** performs a number of law enforcement duties. Some of them involve either foot or car patrol. Others are controlling traffic or checking passes or interviewing witnesses or victims.

Interests & Qualifications: Both men and women may be **Military Policemen.** He must be at least 19 years old and be a high school graduate. The minimum height is 68 inches. He must have no convictions by civil or military courts (except minor violations). He should have no history of mental disorders.

Training & Skills: Depending on his grade, the **Military Policeman** must know how to do first aid and know how to control crowds and traffic. He must be able to interview witnesses, victims and suspects. In training, he studies the techniques of corrections and law enforcement and learns the principles of security and polygraph operation. There is a basic 7-week course for this occupation at Ft. McClellan, Alabama. Once the 5811 MOS is attained, other career progression courses are available.

Related Occupations: (Marines)

- Accident Investigator
- Criminal Investigator

Title: MASTER-AT-ARMS

Service: NAVY

AFSC/MOS/Rating: MA

Occupation: The **Master-At-Arms** serves as a Navy policeman. He enforces the law, performs security duties, conducts investigations, and maintains traffic control. He trains others in police duties.

Interests & Qualifications: A **Master-At-Arms** must be a mature person, able to assume responsibility, and deal effectively with people. He must be able to express himself clearly. His vision and hearing must be good.

The **Master-At-Arms** must be mentally alert and physically strong. Experience in police work is helpful.

Training & Skills: A **Master-At-Arms** learns to use small arms, conduct security investigations, conduct searches, enforce traffic rules and give first aid. He is also taught to identify drugs and drug offenders. He collects and keeps evidence and prepares police reports. A **Master-At-Arms** receives on-the-job training. He also may attend a Navy school to learn his job.

A **Master-At-Arms** works aboard ships and at shore activities.

Related Occupations: (Civilian)

- Corrections Worker
- Probation Officer
- Security Guard

STOCK CONTROL CLERK

Title: STOCK CONTROL CLERK

Civilian D.O.T. No. 223.387

Occupation: The **Stock Control Clerk** works in a supplyroom making purchase orders and stocking supplies. He maintains records of shipments received and sent, and keeps books on all financial transactions.

Related Military Occupations:

Air Force	Inventory Management Specialist
Army	Armorer/Unit Supply Specialist
Coast Guard	Storekeeper
Marine Corps	Supply Administration and Operations Man
Navy	Storekeeper

Composite Service Job Statement: In the Armed Services, the **Stock Control Clerk** receives, stores and issues equipment, material, supplies, merchandise or tools. He compiles stock records in stock rooms, warehouses, or storage yards. He confers with personnel on what to discard and what quantities to replenish and he performs supply stock accounting procedures.

Related Occupations: (Civilian)

- Cargo Checker
- Inventory Clerk
- Material Handler

Title: INVENTORY MANAGEMENT SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 64530

Occupation: An **Inventory Management Specialist** does accounting, inventory, and financial planning. He computes and determines equipment allowances, identifies supplies and equipment and disposes of surplus materials.

Interest & Qualifications: It is desirable that an **Inventory Management Specialist** complete high school. School courses in math or business are helpful. You must have a score of at least Administrative 60 or General 60 on the Armed Services Vocational Aptitude Battery.

This Air Force speciality is open to women.

Training & Skills: To be an **Inventory Management Specialist,** you must complete the Inventory Management Specialist course (7 weeks) at Lowry Air Force Base, Denver, Colorado. Any knowledge you have of keeping books, stock control, or data processing will be very helpful to you. Skills learned include performing administrative and management duties, learning accounting functions, marketing activities, and supervision inventory management personnel.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Supervisor, Machine Records Unit
- Receiving and Shipping Foreman

Title: ARMORER/UNIT SUPPLY SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 76Y

Occupation: An **Armorer/Unit Supply Specialist** helps receive, store, issue and ship supplies. He also works with repair parts and other materials.

Interests & Qualification: An **Armorer/Unit Supply Specialist** should be interested in office work. It's important to know basic math, to be able to lift and carry heavy loads and to be able to stand for long periods. High school courses in accounting, bookkeeping and other commercial subjects are helpful. Work experience as a stock or inventory clerk is also good preparation for this job.

Training & Skills: Those entering this field are taught how to receive, unload and store supplies. They learn how to inspect, identify, issue, deliver and transfer all types of supplies except ammunition, petroleum and explosives. They learn how to arrange storage space to aid distribution and meet fire regulations; to rotate stocks; to place location symbols on facilities; and, to operate office machines.

Related Occupations: (Army)

- Medical Supply and Parts Specialist
- Missile Repair Parts Specialist

Title: STOREKEEPER

Service: COAST GUARD

AFSC/MOS/Rating: SK

Occupation: The **Storekeeper** provides and accounts for a constant supply of pay, clothing, commissary items, and spare parts. He is also adept at personnel management and decision making.

Interests & Qualifications: Storekeepers should be average or above in general learning ability. They should be able to solve problems quickly and accurately. They must be able to write and print legibly. They must also record numbers accurately and neatly. School courses in bookkeeping, accounting, arithmetic and English are desirable, as is practical experience in stock inventorying and operating office machines.

Training & Skills: After recruit training, the **Storekeeper** may take 10 weeks training at Coast Guard Training Center, Petaluma, California. Sometimes, the **Storekeeper** is trained on-the-job and by study of manuals.

Among other things, the **Storekeeper** learns the principles of supply ordering, receiving, inventory, and disbursement.

Related Occupations: (Coast Guard)

- Yeoman

Title: SUPPLY ADMINISTRATION AND OPERATIONS MAN

Service: MARINES

AFSC/MOS/Rating: 3043

Occupation: The **Supply Administration and Operations Man** handles all the duties related to supply functions on a Marines Corps post, station, or base. He manages people, material and finances.

Interests & Qualifications: This position is open to both men and women. The **Supply Administration And Operations Man** needs to work accurately and keep things well-ordered. He needs to know basic math. Other high school courses that would be helpful include bookkeeping, office procedures, general business and English.

Training & Skills: Depending on his grade, the **Supply Administration and Operations Man** will be trained to do the following: classify and label stock and materials; handle stock inventories; work with office machines. He may also prepare letters and reports or be involved with purchasing stock. As he progresses in grade, he will supervise and manage supply functions. Courses are available for this position.

Related Occupations: (Marines)

- Supply Stock Control Supervisor
- Supply Stock Control Man

Title: STOREKEEPER

Service: NAVY

AFSC/MOS/Rating: SK

Occupation: A **Storekeeper** is in charge of a storeroom where he receives, stores and issues items. These include clothing, foodstuffs, and mechanical equipment. He takes inventories and prepares reports.

Interests & Qualifications: A **Storekeeper** needs good handwriting and arithmetic ability. High school courses in typing, bookkeeping, accounting, commercial arithmetic, business and English are helpful. Office machine bookkeeping or clerical experience is valuable.

Training & Skills: A **Storekeeper** learns storekeeping and ordering procedures ashore and afloat. He is taught accounting, record keeping, typing and methods of storage. A **Storekeeper** receives training on-the-job, by studying special manuals, or by attending a Navy school.

A **Storekeeper** may be stationed aboard ship or ashore.

Related Occupations: (Civilian)

- Bookkeeper
- Food Store Manager
- Shipping Clerk
- Purchasing Agent

SURVEYOR

Title: SURVEYOR

Civilian D.O.T. No. 018.188

Occupation: The **Surveyor** paces and measures land with the aid of surveying instruments. He measures distance, elevation and angles in order to determine possible construction sites.

Related Military Occupations:

Army	Construction Surveyor
Marine Corps	Surveyor
Navy	Engineering Aid

Composite Service Job Statement: In the Armed Services, the **Surveyor** calculates latitude, longitude, angles, areas, and other information for map making, missile or artillery guidance data. He also uses ground, aerial or satellite survey data with reference tables and calculating machines.

Related Occupations: (Civilian)

- Instrument Man
- Surveyor, Marine
- Surveyor, Highway

Title: CONSTRUCTION SURVEYOR

Service: ARMY

AFSC/MOS/Rating: 82B

Occupation: A **Construction Surveyor** reads maps and uses instruments to survey land. He makes mathematical computations and inspects, cleans, adjusts and takes care of surveying instruments.

Interests & Qualifications: A **Construction Surveyor** should have the mechanical skill to work with power tools and machines. He also works with blueprints and drawings. It is important to be able to work in high places, to have a good sense of balance and to work with numbers. High school courses in carpentry, masonry, and welding are helpful, as is any work experience.

Training & Skills: The Army Provides all training needed in this occupation. Those entering the field are taught the names, uses and characteristics of tools and supplies. They learn how to work with block and tackle and how to care for tools.

Safety rules are also stressed. A **Construction Surveyor** is taught to use standard math formulas and read and record instrument findings.

Related Occupations: (Army)

- Carpenter
- Construction Foreman
- Construction Draftsman

Title: SURVEYOR

Service: MARINES

AFSC/MOS/Rating: 1421

Occupation: The **Surveyor** uses surveying instruments to establish control points for construction operations.

The **Surveyor** also works to survey artillery, missile and aircraft control operations. He may work updating maps.

Interests & Qualifications: This position is open to both men and women.

The **Surveyor** works with a variety of maps and instruments in several settings. Helpful high school courses include math, physics, and geography.

Familiarity with land formations would be helpful. A hobby involving astronomy would also be helpful.

Training & Skills: Depending on grade, the **Surveyor** must be able to read maps and aerial photographs. He needs to know enough about elementary surveying mathematics to understand the fundamental functions of surveying. He must know how to care for and store surveying instruments and equipment. Knowing how to read survey markers is another skill he must have. Also he must be able to work with tidal, current and sounding data.

Formal training is available.

Related Occupations: (Marines)

- Map Compiler
- Construction Draftsman
- Surveying and Drafting Chief

Title: ENGINEERING AID

Service: NAVY

AFSC/MOS/Rating: EA

Occupation: An **Engineering Aid** does surveying, prepares maps and estimates for the amount of material needed for construction jobs. He prepares blueprints and supervises construction of drainage systems.

Interests & Qualifications: An **Engineering Aid** must be able to do accurate detailed work. His ability to learn and to visualize must be above average. High school courses in algebra, geometry, trigonometry, mechanical drawing and drafting are helpful. Highway construction experience is valuable.

Training & Skills: An **Engineering Aid** studies surveying and map making. He learns to work with drafting instruments and to use astronomy in surveying. An **Engineering Aid** receives training on-the-job and by attending a Navy school.

An **Engineering Aid** may be assigned to naval shore activities throughout the world.

Related Occupations: (Civilian)

- Construction Planner
- Material Estimator
- Draftsman
- Soil Analyst

SURVIVAL EQUIPMENT REPAIRMAN

Title: SURVIVAL EQUIPMENT REPAIRMAN

Civilian D.O.T. No. 739.381

Occupation: The **Survival Equipment Repairman** inspects, maintains and repairs aircraft or marine survival equipment. He checks life rafts, life preservers and flares for defects and makes repairs on damaged equipment.

Related Military Occupations:

Air Force	Aircrew Life Support Specialist
Coast Guard	Aviation Survivalman
Marine Corps	Flight Equipment Man
Navy	Aircrew Survival Equipmentman

Composite Service Job Statement: In the Armed Services, the **Survival Equipment Repairman** inspects, installs, removes, maintains and repairs safety belts, shoulder harnesses, seat and canopy ejection systems, and parachutes. He checks fire extinguishing equipment, life rafts and life jackets for defects and repairs and replaces worn parts.

Related Occupations: (Civilian)

- Canvas Worker
- Parachute Rigger
- Inspection Clerk

Title: AIRCREW LIFE SUPPORT SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 92230

Occupation: The **Aircrew Life Support Specialist** instructs aircrews in ejection training devices and other equipment for bailing out or ditching the aircraft. He inspects, fits and adjusts protective equipment.

Interests & Qualifications: It is desirable that an **Aircrew Life Support Specialist** complete high school. School courses in general science are helpful. You must have a score of at least General 40 on the Armed Services Vocational Aptitude Battery.

This Air Force specialty is open to women.

Training & Skills: To be an **Aircrew Life Support Specialist,** you must complete the Protective Equipment Specialist course (8 weeks) offered at Chanute Air Force Base, Rantoul, Illinois. This course will cover inspection, fitting, adjusting, packing and minor maintenance of emergency equipment. The **Aircrew Life Support Specialist** also learns how to instruct and brief aircrews.

(This Air Force training programs are subject to change.)

Related Occupations: (Civilian)

- None

Title: AVIATION SURVIVALMAN

Service: COAST GUARD

AFSC/MOS/Rating: ASM

Occupation: The **Aviation Survivalman** maintains, rigs and repairs all types of parachutes. He also services and maintains oxygen-breathing equipment, droppable pumps and all search and rescue equipment.

Interests & Qualifications: The **Aviation Survivalman** should be average or above in general learning ability. He should be able to perform extremely careful and accurate work. School courses in math and shop are extremely useful. Prior parachuting and a knowledge of survival equipment is also useful.

Training & Skills: Upon completing recruit training, further training for **Aviation Survivalman** begins with 16 weeks of specialized training at Naval Air Technical Training Center, Lakehurst, New Jersey. In order to qualify for advancement, you must be a graduate of Basic Parachute Rigger School. You must also meet physical standards for student parachute jumpers. Then you must make at least one premeditated freefall jump under prescribed conditions.

Related Occupations: (Coast Guard)

- Gunner's Mate
- Damage Controlman

Title: FLIGHT EQUIPMENT MAN

Service: MARINES

AFSC/MOS/Rating: 6064

Occupation: The **Flight Equipment Man** inspects and repairs parachutes and other flight survival equipment.

He also works with carbon dioxide and gaseous and liquid oxygen equipment. He coordinates flight equipment.

Interests & Qualifications: The **Flight Equipment Man** has a very responsible job. He needs to be able to work carefully, paying attention to detail. He needs to have normal color perception.

Helpful high school courses include math, physics, and chemistry. Shop courses might also be useful.

Training & Skills: The **Flight Equipment Man** must know about work center safety. He should also be familiar with emergency first aid procedures. He also needs to know how to inspect, pack, unpack, wash and dry parachutes. He must be able to replace fasteners and hand sew, stitch and tack the material. In addition, he should know how to cold patch and vulcanize rubberized equipment.

The **Flight Equipment Man** must be a graduate of an appropriate formal technical school and applicable courses.

Related Occupations: (Marines)

- Aircraft Safety Equipment Mechanic
- Air Delivery Man

Title: AIRCREW SURVIVAL EQUIPMENTMAN

Service: NAVY

AFSC/MOS/Rating: PR

Occupation: The **Aircrew Survival Equipmentman** packs, services and repairs parachutes, flight clothing and other survival equipment. He tests oxygen equipment, parachutes and other safety equipment.

Interests & Qualifications: An **Aircrew Survival Equipmentman** must be able to perform extremely careful and accurate work. High school courses in general shop and sewing are helpful. Experience in sewing machine use and repair is valuable.

Training & Skills: An **Aircrew Survival Equipmentman** learns to pack, store, repair and test parachutes. He is taught basic sewing and sewing machine repair. Testing and servicing other safety equipment is also taught either on-the-job or by a Navy school.

An **Aircrew Survival Equipmentman** serves on aircraft carriers and naval air stations ashore.

Related Occupations: (Civilian)

- Parachute Packer
- Parachute Jump Tester
- Parachute Repairman

SYSTEMS ANALYST (ELECTRONICS PROCESSING)

Title: SYSTEMS ANALYST (ELECTRONICS PROCESSING)

Civilian D.O.T. No. 012.168

Occupation: The **Systems Analyst (Electronics Processing)** analyzes business problems such as inventory control and cost analysis systems. He converts systems to electronic data processing.

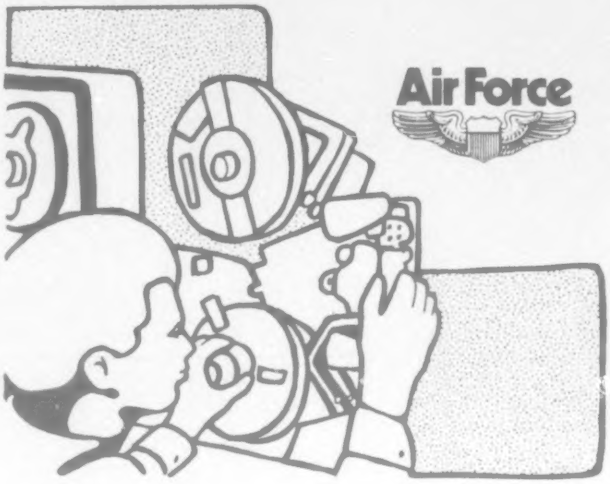
Related Military Occupations:

Air Force	Computer Operator
Army	ADP Systems Analyst
Marine Corps	Electric Accounting Machine Operator
Navy	Data Systems Technician

Composite Service Job Statement: In the Armed Services, the **Systems Analyst (Electronics Processing)** analyzes operating systems and procedures to determine the best method of installing auto-data equipment. He may conduct research to develop new data systems and make improvements on existing units. He develops diagrams for programs and is familiar with the operation and capabilities of auto-data processing equipment, and may perform as an operator or supervise other operators.

Related Occupations: (Civilian)

- Business Data Processor
- Quality Control Supervisor
- Data Methods Analyst



Title: COMPUTER OPERATOR

Service: AIR FORCE

AFSC/MOS/Rating: 51130

Occupation: A **Computer Operator** prepares for operation and operates electronic computer systems equipment and punched card accounting machines. The work also involves the processing and control of data flow.

Interests & Qualifications: It is desirable that the **Computer Operator** complete high school. School courses in business math and science are helpful. You must have a score of General or Electronic 60 on the Armed Services Vocational Aptitude Battery. You must also have a score of at least 57 on the Air Force Electronic Data Processing Test. This Air Force specialty is open to women.

Training & Skills: Enlistees attend Sheppard Air Force Base, Wichita Falls, Texas for approximately 9 weeks to receive training for this occupation. Training includes instruction in the preparation of electronic computer equipment and punched card machines for data processing operation; operation of data processing equipment; and the assignment of work and its review for accuracy, quality and quantity.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Card Tape Convertor Operator
- Console Operator
- Data Typist

Title: ADP SYSTEMS ANALYST

Service: ARMY

AFSC/MOS/Rating: 74G

Occupation: An **ADP Systems Analyst** conducts data system studies involving investigation, evaluation, and development of data processing systems. He prepares documentation of specifications and proposals and employs new or modified systems.

Interests & Qualifications: An **ADP Systems Analyst** must have general mechanical aptitude. Course work in maintaining and using mechanical and office machines is helpful. Facility in applying knowledge of math, and reading and interpreting flow charts and diagrams is essential. Eye-hand coordination, manual dexterity, and good near vision are necessities. Ability to receive security clearance is required.

Training & Skills: An **ADP Systems Analyst** is trained to operate ADP systems studies in intelligence, transportation, supply, medical, data communications and other broad subject fields. He learns to translate requirements into specifications, flow charts, logic diagrams, and documentation, to determine feasibility of retention or conversion to other systems. The person entering this field deals with all aspects of the data input and learns to evaluate systems applications in terms of hours saved, accuracy, accomplishment of objectives and mission attainment.

Related Occupations: (Army)

- Computer Systems Operator
- Computer Programmer

Title: ELECTRIC ACCOUNTING MACHINE OPERATOR

Service: MARINES

AFSC/MOS/Rating: 4014

Occupation: The **Electric Accounting Machine Operator** runs sorters, interpreters, collators, and reproducers. He may operate tabulating machines, as well. He may also wire control panels for electric accounting machines.

Interests & Qualifications: This position is open to both men and women.

The **Electric Accounting Machine Operator** should enjoy working in an office setting with a variety of office machines. He also should know how to fix things and how to work with the wiring of these machines. Helpful high school courses include basic math, office practice, and electric shop.

Training & Skills: Depending on grade, the **Electric Accounting Machine Operator** must know how to operate a variety of electric office machines and their standard attachments. He also must be able to wire control panels from wiring diagrams and be able to check panel wiring and panel lights for errors. As he rises in rank he needs to be able to work with keeping inventories and do supervisory work. He must be a graduate of an appropriate formal technical school or have successfully completed 6 months of on-the-job training.

Related Occupations: (Marines)

- Computer Operator
- Office Equipment Operator
- Card Punch Operator

Title: DATA SYSTEMS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: DS

Occupation: A **Data Systems Technician** maintains Navy computer systems. He operates electronic test equipment. He establishes safety rules in dealing with electrical equipment.

Interests & Qualifications: A **Data Systems Technician** should have electrical and mechanical skill. He should be above average in math. High school courses in physics, algebra, trigonometry, and shop are helpful. Electric or electronic experience is valuable.

Training & Skills: A **Data Systems Technician** learns to use hand tools and test equipment. He is taught to maintain electronic digital systems through on-the-job experience, the study of manuals, or by attending a Navy school.

A **Data Systems Technician** may work aboard ship or at shore stations.

Related Occupations: (Civilian)

- Computer Technician
- Test Equipment Repairman
- Data Processing Technician

TELEGRAPHIC-TYPEWRITER OPERATOR

Title: TELEGRAPHIC-TYPEWRITER OPERATOR

Civilian D.O.T. No. 203.588

Occupation: The **Telegraphic-Typewriter Operator** sends and receives messages on a teletype. He also performs maintenance periodically.

Related Military Occupations:

Air Force	Communications Center Specialist
Army	Data Communications Switching Center Specialist
Coast Guard	Radioman
Marine Corps	Communication Center Man
Navy	Communications Technician

Composite Service Job Statement: In the Armed Services, the **Telegraphic-Teletypewriter Operator** is familiar with various communications equipment in particular, teletypewriters. He can perform functions in connection with the acceptance, logging, preparation, transmission, receipt and delivery of teletype messages. He inspects incoming and outgoing messages for proper classification and readability according to specified methods of transmission. He also carries out preventive maintenance on communications center equipment.

Related Occupations: (Civilian)

- Multiplex Machine Operator
- Perforator Typist
- Statistical Typist

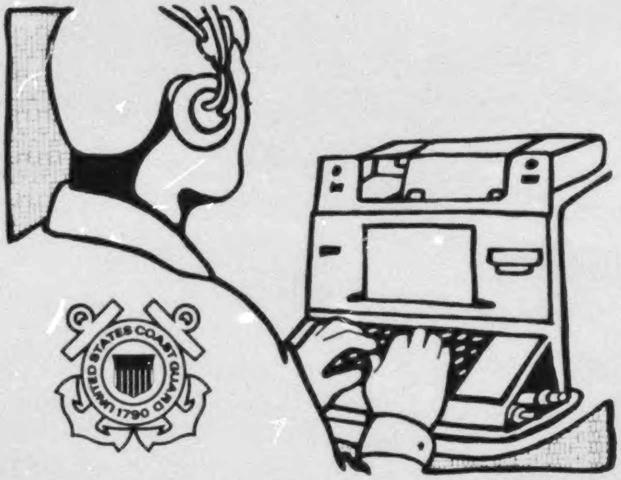
Title: COMMUNICATIONS CENTER SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 29130

Occupation: A **Communications Center Specialist** transmits, receives, and processes messages in weather relay communications and message distribution centers. Work involves operation of communications equipment, technical control facilities, computers, and cryptographic facilities.

Interests & Qualifications: It is desirable that a **Communications Center Specialist** complete high school. School courses in physics, typing and math are helpful. You must have a score of at least General 60 on the Armed Services Vocational Aptitude Battery. You must be eligible for a secret security pass and access to secret information. You must be a U.S. citizen and you must have unrestricted use of the fingers. It is helpful if you can type at least 35 words per minute. This Air Force specialty is open to women.



Training & Skills: To be a **Communications Center Specialist,** it is desirable that you complete a Basic Communications Center course offered at Sheppard Air Force Base, Wichita Falls, Texas (12 weeks). You will learn to decipher and encipher messages and use a teletypewriter. You will learn to use related communications computers for transmission procedures and how to maintain and operate them.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio Message Router

Title: DATA COMMUNICATIONS SWITCHING CENTER SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 72F

Occupation: A **Data Communications Switching Center Specialist** operates teletypewriters, cards and tapes, cryptographic and related equipment. He receives, processes and forwards messages.

Interests & Qualifications: A **Data Communications Switching Center Specialist** needs clerical skill, clear speech, good hearing, eye-hand coordination, and ability to work well with his hands. The ability to read and understand messages and instructions is important. High school courses in business, electronics, as well as work experience in an office or with radio equipment are useful.

Training & Skills: Those entering this field are taught the basics of Army communication networks, and how to operate and repair the equipment to which they are assigned.

Related Occupations: (Army)

- Central Office Operations Specialist
- Cryptographic Center Specialist

Title: RADIOMAN

Service: COAST GUARD

AFSC/MOS/Rating: RM

Occupation: The **Radioman** handles the transmitting and receiving of messages which enable Coast Guard units to help distressed vessels. This includes operating and maintaining radio equipment. He must be an expert in voice communications, Morse Code and teletype, and be able to handle responsibility in pressure situations.

Interests & Qualifications: The **Radioman** should be average or above in general learning ability. He needs good hearing and a clear speaking voice. He also needs to be able to work well with his hands and fingers. School training of a technical nature in physics and electricity is helpful. Also of value are the ability to type and experience as an amateur radio operator.

Training & Skills: Upon completion of recruit training, the **Radioman** goes to a 20-week school at Coast Guard Training Center, Petaluma, California.

Skills learned by the **Radioman** include operating communication transmission and reception equipment; and transtransmitting and receiving Morse Code and voice communications.

Related Occupations: (Coast Guard)

- Quartermaster

Title: COMMUNICATION CENTER MAN

Service: MARINES

AFSC/MOS/Rating: 2542

Occupation: The **Communication Center Man** operates the teletypewriter. He accepts messages from staff offices and maintains the necessary logs and records. He may run a ground station for the drop or pick-up of messages by aircraft.

Interests & Qualifications: This position is open to both men and women.

A secret security clearance is required.

The **Communication Center Man** should be able to write and print legibly and neatly. He needs to be able to work carefully and accurately with messages. Helpful high school courses include English and typing.

Training & Skills: Depending on grade, the **Communication Center Man** must be able to set up and operate teletype equipment using established procedures at 30-50 words per minute. He must be able to draft service messages and maintain communication center logs and records. Also he must be able to review outgoing messages for technical correctness and proper security classification. Knowing the limitations and capabilities of communications equipment is also necessary. Formal school training is available.

Related Occupations: (Marines)

- Field Radio Operator
- Radio Telegraph Operator
- Telephone Technician

Title: COMMUNICATIONS TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: CT

Occupation: A **Communications Technician** performs specialized duties. These include special communications, special operations, and communication security. He must have top secret clearance.

Interests & Qualifications: A **Communications Technician** should be able to adapt to new techniques and enjoy detailed work. He must be trustworthy. High school courses in typing, office machines, English, physics, and electricity are useful. Experience as a telegrapher, radio operator, electronics repairman, or clerk typist is helpful.

Training & Skills: A **Communications Technician** is trained in Morse Code; operation of communication equipment; electronic theory; foreign languages; or clerical work, depending on his specialty. He learns these things at a Navy school.

A **Communications Technician** is assigned to a ship or communication station.

Related Occupations: (Civilian)

- Communication Specialist
- Telegrapher
- Radio Telephone Operator

TELEPHONE OPERATOR

Title: TELEPHONE OPERATOR

Civilian D.C.T. No. 235.862

Occupation: The **Telephone Operator** receives, transmits and transfers calls on a switchboard. He places long distance calls, takes messages and keeps track of bills incurred by customers.

Related Military Occupations:

Air Force	Communications Center Specialist
Army	Central Office Switchboard Operator
Marine Corps	Wireman
Navy	Interior Communications Electrician

Composite Service Job Statement: In the Armed Services, the **Telephone Operator** operates semi-automatic or automatic telephone switchboards. He performs telephone central office administrative functions. He employs directories and other reference materials as aids in call completion and for information service. He keeps a station log to reflect operating records of all central office activities.

Related Occupations: (Civilian)

- Information Operator
- Long Distance Operator

Title: COMMUNICATIONS CENTER SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 29130

Occupation: A **Communications Center Specialist** transmits, receives, and processes messages in weather relay communications and message distribution centers. Work involves operation of communications equipment, technical control facilities, computers, and cryptographic facilities.

Interests & Qualifications: It is desirable that a **Communications Center Specialist** complete high school. School courses in physics, typing and math are helpful. You must have a score of at least General 60 on the Armed Services Vocational Aptitude Battery. You must be eligible for a secret security pass and access to secret information. You must be a U.S. citizen and you must have unrestricted use of the fingers. It is helpful if you can type at least 35 words per minute. This Air Force specialty is open to women.

Training & Skills: To be a **Communications Center Specialist,** it is desirable that you complete a Basic Communications Center course offered at Sheppard Air Force Base, Wichita Falls, Texas (12 weeks). You will learn to decipher and encipher messages and use a teletypewriter. You will learn to use related communications computers for transmission procedures and how to maintain and operate them.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio Message Router

Title: CENTRAL OFFICE SWITCHBOARD OPERATOR

Service: ARMY

AFSC/MOS/Rating: 72C

Occupation: A **Central Office Switchboard Operator** places calls, monitors circuits and sets up and clears conference calls. He also provides directory services and uses handtools to perform maintenance on equipment.

Interests & Qualifications: A **Central Office Switchboard Operator** needs clear speech, good hearing, eye-hand coordination, and ability to work well with his hands. The ability to read and understand instructions and messages is important. High school courses in business, work in an office, and work with a switchboard are also helpful.

Training & Skills: Those entering this field are taught the basics of Army communication networks. They are also taught security rules and how to operate and repair the equipment to which they are assigned. They learn to set up and operate mobile switchboards, proper procedures for placing calls, how to monitor circuits, how to keep station logs, and how to make billings to respective customers.

Related Occupations: (Army)

- Communications Center Specialist
- Cryptographic Center Specialist

Title: WIREMAN

Service: MARINES

AFSC/MOS/Rating: 2511

Occupation: The **Wireman** installs and operates field telephone switchboards. He also lays and maintains field wire. He installs other field telephone equipment as well.

Interests & Qualifications: This position is open to men and women.

The **Wireman** does a great deal of his work outdoors. He needs to be able to work from diagrams and drawings. Helpful high school courses include math, physics, and electric shop.

Useful hobbies include those involving wiring such as tinkering with high FI's.

Training & Skills: Depending on his grade, the **Wireman** must be able to do maintenance work on electronics equipment. He must be able to install and maintain field wire according to standard procedures. In addition, he must be able to install and operate field telephone equipment and switchboards. Preparing and interpreting line route maps and circuit and traffic diagrams are also skills he needs. Training programs are available for the **Wireman.**

Related Occupations: (Marines)

- Cable Systems Technician
- Central Office Installer
- Telephone Technician

Title: INTERIOR COMMUNICATIONS ELECTRICIAN

Service: NAVY

AFSC/MOS/Rating: IC

Occupation: The **Interior Communications Electrician** operates and repairs the ship's public address system and other announcing equipment. He also works on motion picture equipment and closed circuit TV systems.

Interests & Qualifications: An **Interior Communications Electrician** needs electrical skill and good color perception. High school courses in electrical shop and practical mathematics are helpful. Electrical work experience is valuable.

Training & Skills: An **Interior Communications Electrician** learns to read blueprints and electrical prints. He is taught to work with electrician's hand tools and testing equipment. He learns basic electrical theory and safety precautions. He is trained through on-the-job instruction, study of manuals, or by attending a Navy school.

An **Interior Communications Electrician** may be assigned aboard ship or to a naval shipyard or repair base.

Related Occupations: (Civilian)

- Television Repairman
- Ship Electrician
- Aircraft Instrument Mechanic

TELEVISION AND RADIO REPAIRMAN

Title: TELEVISION AND RADIO REPAIRMAN

Civilian D.O.T. No. 720.281

Occupation: The **Television and Radio Repairman** repairs radio and TV equipment. He makes service calls and installs new parts and tubes. He may also repair phonographs, tape recorders and public address systems.

Related Military Occupations:

Air Force	Television Equipment Repairman
Army	Television Equipment Repairman
Coast Guard	Electronics Technician
Marine Corps	Microwave Equipment Repairman
Navy	Electronic Warfare Technician

Composite Service Job Statement: In the Armed Services, the **Television and Radio Repairman** installs, maintains, repairs, monitors, and analyzes performances of television and radio systems and equipment producing radiated or cable transmitted signals. He tests voltages and resistances of circuits to isolate defects. He solders loose connections and repairs or replaces worn parts, using handtools and welding equipment.

Related Occupations: (Civilian)

- Automobile Radio Man
- Tape Recorder Repairman
- Television Chassis Inspector

Title: TELEVISION EQUIPMENT REPAIRMAN

Service: AIR FORCE

AFSC/MOS/Rating: 30435

Occupation: As a **Television Equipment Repairman,** you will install, maintain, repair and monitor TV systems. You will also operate the many kinds of equipment you will need to perform test inspections.

Interests & Qualifications: It is desirable that a **Television Equipment Repairman** complete high school. School courses in electronics, physics and math will be helpful to you. You must have a score of at least Electronic 80 in the Armed Services Vocational Aptitude Battery. Normal color vision is a must.

This Air Force specialty is open to women.

Training & Skills: The Air Force offers a Basic Television Equipment Maintenance course you may take at Ft. Monmouth, New Jersey for approximately 31 weeks. You will learn to install television equipment and perform preventive maintenance on these systems. You will be taught to use monitoring equipment to check performance levels and adjust and align parts to conform with standards.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Radio Repairman
- Radio Mechanic
- Electrician, Radio

Title: TELEVISION EQUIPMENT REPAIRMAN

Service: ARMY

AFSC/MOS/Rating: 26T

Occupation: A **Television Equipment Repairman** performs maintenance on black and white and color television receivers. He also works on cameras, transmitters, video tape recorders and closed circuit systems.

Interests & Qualifications: A **Television Equipment Repairman** must have good hearing and good vision. He needs eye-hand coordination and the ability to work well with his hands. High school or trade school courses in electricity/electronics (radio, TV) or physics are helpful preparation. Experience in television or "HAM" radio operation or repair is also helpful.

Training & Skills: Those entering this field are taught the basics of army communications networks. Also taught are security rules and how to operate and repair the equipment to which they are assigned, and how to test equipment. They also learn how to insure proper picture and quality performance by making adjustments, how to clean, tighten and replace components, how to assemble and disassemble for inspection, and how to interpret circuit and cable diagrams to locate trouble areas.

Related Occupations: (Army)

- Photographic Laboratory Specialist
- TV Producer
- Radio Operator

Title: ELECTRONICS TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: ET

Occupation: The **Electronics Technician** performs inspection and repair of sophisticated electronics equipment, radio receivers and transmitters, and sonar equipment.

Interests & Qualifications: Electronics Technicians should be interested in electronics. They should have an aptitude for fine, detailed, mechanical work and be above average in ability to solve math problems. School courses in electricity, physics, algebra, trigonometry, and shop are helpful. Also helpful is experience in any mechanical or electrical trade.

Training & Skills: Upon completion of recruit training, the **Electronics Technician** goes to a 17-30 week school at Coast Guard Training Center, Governor's Island, New York. He learns to maintain, repair, calibrate, tune, and adjust electronic systems for communication, detection, tracking, recognition, and identification; for aids to navigation; for electronic countermeasures; and, for radiac.

Related Occupations: (Coast Guard)

- Electrician's Mate
- Sonar Technician
- Fire Control Technician

Title: MICROWAVE EQUIPMENT REPAIRMAN

Service: MARINES

AFSC/MOS/Rating: 2831

Occupation: The **Microwave Equipment Repairman** installs, inspects, tests, maintains, and repairs microwave and related electronic equipment.

Interests & Qualifications: This position requires a secret security clearance.

The **Microwave Equipment Repairman** should have a high degree of mechanical aptitude and mathematical ability. Helpful high school courses includes physics, electricity/electronics, and math. Building "HAM radiosets" is a helpful hobby for individuals interested in this job.

Training & Skills: The **Microwave Equipment Repairman** must complete a formal course in microwave equipment (or radio relay) repair. He must also learn to install and maintain microwave equipment and systems. Skills include learning to assist in microwave terminal site selection; tuning, adjusting, and calibrating microwave equipment; diagnosing malfunctions; checking circuit quality; and preparing equipment or components for relocation or shipment.

Related Occupations: (Marines)

- Satellite Terminal Repairman

Title: ELECTRONIC WARFARE TECHNICIAN

Service: NAVY

AFSC/MOS/Rating: EW

Occupation: The **Electronic Warfare Technician** operates electronic detection systems. He evaluates intercepted signals to determine source and course direction of objects and tracks surface and airborne targets.

Interests & Qualifications: The **Electronic Warfare Technician** must have a good aptitude for learning electrical and mathematical principles and be interested in communications work and its operation.

Training & Skills: The **Electronic Warfare Technician** receives his training after recruit training. Intensive schooling will give him the skills and knowledge in electronics and electronic warfare operations. He will also learn to repair and maintain conventional and solid state electronic equipment and safety procedures to use in his work. Candidates must qualify for the advanced electronics field program which entails a 6 year enlistment. He may be assigned to combat ships or ashore as an instructor or repairman.

Related Occupations: (Civilian)

- Electronics Technician
- Fire Control Technician

TRAFFIC MANAGER (AVIATION)

Title: TRAFFIC MANAGER (AVIATION)

Civilian D.O T. No. 184.168

Occupation: The **Traffic Manager (Aviation)** handles air traffic in an airport. He coordinates the air transportation people, supplies and material.

Related Military Occupations:

Air Force	Air Passenger Specialist
Army	Flight Operations Coordinator
Marine Corps	Air Freight Transportation Clerk
Navy	Aviation Storekeeper

Composite Service Job Statement: In the Armed Services, the **Traffic Manager (Aviation)** performs various duties incident to planning and executing the movement of personnel, supplies, and equipment by air. He checks, verifies and assists compilation of data and preparation of forms used in the planning movement of troops, supplies and equipment. He coordinates transportation facilities and activities of working parties to assure flow of supplies to and from the carrier.

Related Occupations: (Civilian)

- Freight Traffic Consultant
- Terminal Services Agent
- Transportation Head

Title: AIR PASSENGER SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 60530

Occupation: An **Air Passenger Specialist** processes and schedules eligible passengers for airlift. He provides for security and handling of baggage and mail.

Interests & Qualifications: It is desirable that an **Air Passenger Specialist** complete high school. School courses in English and math are helpful. You must have a score of at least Administrative 50 on the Armed Services Vocational Aptitude Battery. You must be able to speak clearly and have a valid driver's license or driving experience.

This Air Force speciality is open to women.

Training & Skills: To be an **Air Passenger Specialist,** you must attend the Air Passenger Specialist course (5 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Students learn to make and confirm reservations; to determine requirements for and serve inflight meals; and to provide passenger information. They also are taught correct procedures for escorting passengers to and from aircraft and how to operate baggage handling equipment.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Transportation Agent (Air Transportation)
- Airplane Steward

Title: FLIGHT OPERATIONS COORDINATOR

Service: ARMY

AFSC/MOS/Rating: 71P

Occupation: A **Flight Operations Coordinator** schedules aircraft flights. He checks out flight plans with the FAA, alerts emergency crash crews, prepares and records and interprets teletype weather reports and maps.

Interests & Qualifications: A **Flight Operations Coordinator** needs to have mechanical skills, be able to reason well and be able to think clearly. He must be very good at making decisions and be able to think well while under pressure. High school courses in shop subjects, physics and electronics are helpful.

Training & Skills: While much of the training is given on-the-job, school courses are given for flight operations coordinator where those entering the field are taught how to schedule flights, process flight clearances, check entries such as time en route, hours of fuel, weather report and instrument rating. They also learn to check out the proposed route, prepare flight orders, coordinate flight plans with interested agencies, keep files on aircraft regulations, interpret teletype and related information.

Related Occupations: (Army)

- Air Traffic Control Chief
- Ground Control Approach Specialist

Title: AIR FREIGHT TRANSPORTATION CLERK

Service: MARINES

AFSC/MOS/Rating: 3122

Occupation: The **Air Freight Transportation Clerk** schedules and expedites shipment of goods, supplies, and equipment via air freight.

Interests & Qualifications: This position is open to both men and women.

The **Air Freight Transportation Clerk** needs good vision and hearing and a high degree of clerical aptitude. Helpful high school courses include English, business-office training, typing, and math. This job also requires the ability to type 30 words per minute.

Training & Skills: The **Air Freight Transportation Clerk** is trained to type 30 words per minute, to prepare bills of lading, to prepare claims, to take inventories, and to make various reports. In addition, the **Air Freight Transportation Clerk** learns the format and use of all forms used in shipping and receiving, and how to plan the packing, loading, crating, securing and making estimates of personnel and equipment needed for moving freight via air.

Related Occupations: (Marines)

- Freight Transportation Clerk
- Freight Operations Man

Title: AVIATION STOREKEEPER

Service: NAVY

AFSC/MOS/Rating: AK

Occupation: An **Aviation Storekeeper** buys, stores, checks and issues aircraft equipment accessories including flight clothing. He takes inventories of aircraft and keeps and prepares records.

Interests & Qualifications: An **Aviation Storekeeper** needs basic arithmetic ability. High school courses in bookkeeping, accounting, business arithmetic, typing and office practices are helpful. Work experience in an office or warehouse is valuable.

Training & Skills: An **Aviation Storekeeper** studies aviation supply procedures ashore and afloat. He learns methods of storing and packing, methods of taking inventory, naval accounting and ordering and office procedures. An **Aviation Storekeeper** is provided training on-the-job, by studying special manuals or by attending a naval school.

An **Aviation Storekeeper** may serve aboard ship or ashore.

Related Occupations: (Civilian)

- Clerk Typist
- Material Clerk
- Fork Lift Operator
- Shipping Clerk

TRANSLATOR

Title: TRANSLATOR

Civilian D.O.T. No. 137.288

Occupation: The **Translator** translates documents from one language to another. He is fluent in a foreign language and can read, write and translate for those who cannot communicate otherwise.

Related Military Occupations:

Air Force	Linguist Interrogator Specialist
Army	Translator-Interpreter
Marine Corps	Interpreter
Navy	Communications Technician (Interpretive)

Composite Service Job Statement: In the Armed Services, the **Translator** may translate into either English or a foreign language or write orders or reports. He edits translation for correctness of expression and grammar. He may interpret conversations or interrogate foreign nationals. He may maintain files of translations or other intelligence information.

Related Occupations: (Civilian)

- Foreign News Translator
- Interpreter
- Translator, Radio Communications

Title: LINGUIST INTERROGATOR SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 20330

Occupation: A **Linguist Interrogator Specialist** makes translations of written or printed material from one language to another. In addition, you will conduct interviews in foreign languages.

Interests & Qualifications: To be a **Linguist Interrogator Specialist,** it is desirable that you complete high school. School courses in foreign languages plus an ability to read and write a language as well as speak one will be of great value to you. You must score at least General 70 and Administrative 70 on the Armed Services Vocational Aptitude Battery. You must be a U.S. citizen and have a DLAT score of 23.

This Air Force specialty is open to women.

Training & Skills: Enlistees attend courses at the Presidio at Monterey, California; Washington, D.C., or Ft. Bliss Texas. The length of the training is approximately 38-64 weeks. You will learn to interrogate foreign personnel, collect and edit foreign material for distribution and publishing. You will learn to work with intelligence information such as battle tactics. You will learn to use a file system to record information for reference uses.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Interpreter
- Translator

Title: TRANSLATOR-INTERPRETER

Service: ARMY

AFSC/MOS/Rating: 04B

Occupation: A **Translator-Interpreter** translates foreign documents for use in non-English speaking countries. He keeps all translation on file.

Interests & Qualifications: A **Translator-Interpreter** must have verbal skills, good memory and be able to reason well. He must be dependable and also important are good vision, hearing and clear speech. High school courses in foreign language, economics, geography and typing are helpful. Experience in general office work is also helpful. Those interested must pass a character investigation.

Training & Skills: Those entering this field are given training in military intelligence terms, fundamentals of intelligence, image interpretation, filing classified material and handling censorship activities. Much of the training is given on-the-job. There are, however, school courses provided for those seeking advance skills as an expert linguist. They learn to translate foreign combat orders, technical writings, announcements, speeches, radio scripts, and various publications.

Related Occupations: (Army)

- Expert Linguist

Title: INTERPRETER

Service: MARINES

AFSC/MOS/Rating: 8611

Occupation: The **Interpreter** supervises and participates in language interpretation activities that are not primarily of an intelligence nature.

Interests & Qualifications: This position is open to both men and women.

The **Interpreter,** in addition to knowing a foreign language, needs a high degree of verbal acuity. Helpful high school courses include English, foreign language, and related writing and speaking courses.

Training & Skills: The **Interpreter** is skilled in mentally translating and orally expressing statements in English or a foreign language. The **Interpreter** learns to avoid language that is stilted, unnatural, and difficult to understand.

This job also requires writing reports, establishing a file of language reference materials, and translating routine correspondence and documents.

Related Occupations: (Marines)

- Surveillance Sensor Operator

Title: COMMUNICATION TECHNICIAN (INTERPRETIVE)

Service: NAVY

AFSC/MOS/Rating: CTI

Occupation: The **Communication Technician** (Interpretive) prepares statistical studies and technical reports that require knowledge of a foreign language.

Interests & Qualifications: The **Communication Technician** (Interpretive) should be able to do detailed work. He must be able to adapt to new ways of doing things. High school courses in typing, foreign languages, physics, and electricity are helpful.

Training & Skills: The **Communication Technician** (Interpretive) learns how to work with communications, recording and coding equipment. He is taught a foreign language and international radio procedures. Training is received at a Navy school.

The **Communication Technician** may be stationed aboard ship and at communication stations throughout the world.

Related Occupations: (Civilian)

- Foreign Language Interpreter
- Radio Operator
- Translator

TRANSPORTATION SUPERVISOR

Title: TRANSPORTATION SUPERVISOR

Civilian D.O.T. No. 184.168

Occupation: The **Transportation Supervisor** is an office manager who supervises and coordinates the transportation of goods and people.

Related Military Occupations:

Air Force	Passenger and Household Goods Specialist
Army	Movements Specialist
Coast Guard	Storekeeper
Marine Corps	Passenger Transportation Clerk
Navy	Aviation Maintenance Administrationman

Composite Service Job Statement: In the Armed Services, the **Transportation Supervisor** directs the office staff in coordinating transportation activities of military installations. He interprets regulations and directives from higher headquarters. He initiates local policies concerning movement of personnel and government and personal property to and from the base. He oversees the preparation of records and assigns duties to office personnel.

Related Occupations: (Civilian)

- Office Manager
- Passenger Service Representative
- Personnel Clerk

Title PASSENGER AND HOUSEHOLD GOODS SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 60230

Occupation: A **Passenger And Household Goods Specialist** arranges and plans movement of personnel. He also arranges for the movement and storage of personal property, pets, and vehicles.

Interests & Qualifications: It is desirable that a **Passenger And Household Goods Specialist** complete high school. School courses in typing are helpful. You must have a score of at least Administrative 40 on the Armed Services Vocational Aptitude Battery. You must be able to type 20 words per minute, and the ability to keypunch is helpful.

This Air Force specialty is open to women.

Training & Skills: To be a **Passenger and Household Goods Specialist,** you must attend the Passenger and Household Goods Specialist course (9 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Instruction includes counseling techniques on passenger and personal property movements; preparation of transportation requests and procurement of commercial transportation services; military air transportation authorizations; bills of lading; loss and damage reports; and related reports and documents.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Ticket Agent
- Expeditor

Title: MOVEMENTS SPECIALIST

Service: ARMY

AFSC/MOS/Rating: 71N

Occupation: A **Movements Specialist** plans and controls movement of personnel and cargo. He prepares requests and movement forms; examines cargo and prepares performance reports.

Interests & Qualifications: A **Movements Specialist** needs mechanical skill and good eye-hand coordination. High school courses in driving and auto mechanics are helpful as are experiences driving autos, trucks, buses or watercraft. Good vision and good hearing are important for a **Movement Specialist.**

Training & Skills: Those entering this field are taught safety methods for operating vehicles during daylight, night or under blackout conditions. They learn operating limits and load-carrying capacity, safe distances to maintain between vehicles and how to use emergency devices to travel over difficult ground. They learn also to coordinate movement of cargo to reach its proper destination, how to process requests for equipment transfer and how to work with all the modes of transportation.

Related Occupations: (Army)

- Motor Transport Operator
- Terminal Operations Specialist

Title: STOREKEEPER

Service: COAST GUARD

AFSC/MOS/Rating: SK

Occupation: The **Storekeeper** provides and accounts for a constant supply of pay, clothing, commissary items, and spare parts. He is also adept at personnel management and decision making.

Interests & Qualifications: Storekeepers should be average or above in general learning ability. They should be able to solve problems quickly and accurately. They must be able to write and print legibly. They must also record numbers accurately and neatly. School courses in bookkeeping, accounting, arithmetic and English are desirable, as is practical experience in stock inventorying and operating office machines.

Training & Skills: After recruit training, the **Storekeeper** may take 10 weeks training at Coast Guard Training Center, Petaluma, California. Sometimes, the **Storekeeper** is trained on-the-job and by study of manuals.

Among other things, the **Storekeeper** learns the principles of supply ordering, receiving, inventory, and disbursement.

Related Occupations: (Coast Guard)

- Yeoman

Title: PASSENGER TRANSPORTATION CLERK

Service: MARINES

AFSC/MOS/Rating: 3141

Occupation: The **Passenger Transportation Clerk** does a number of technical traffic duties pertaining to the movement of personnel.

He plans troop movements using all kinds of transportation.

Interests & Qualifications: This position is open to both men and women.

The **Passenger Transportation Clerk** should be interested in doing office tasks as well as making travel arrangements. He should enjoy working with people in office settings. Helpful high school courses include basic math and English. General business courses and geography would also be useful. Part-time work in an office would be helpful experience. You should be able to type 30 words per minute.

Training & Skills: Depending on grade, the **Passenger Transportation Clerk** must be able to operate and maintain office machines. There are some specific things related to travel he must know. He must also be able to interpret official travel orders and rail, air, and bus schedules. Figuring costs is another skill required.

The first level of schooling is on-the-job training (OJT) available at Camp Pendleton, California and Camp Lejeune, North Carolina.

Related Occupations: (Marines)

- Freight Transportation Clerk
- Freight Operations Man

Title: AVIATION MAINTENANCE ADMINISTRATIONMAN

Service: NAVY

AFSC/MOS/Rating: AZ

Occupation: An **Aviation Maintenance Administrationman** schedules aircraft inspections and issues aircraft work orders. He performs clerical duties related to aircraft maintenance.

Interests & Qualifications: An **Aviation Maintenance Administrationman** needs above average learning ability. He must be able to perform detailed and repetitive work. It is important that he be able to work harmoniously with others.

Training & Skills: An **Aviation Maintenance Administrationman** learns to schedule aircraft inspections. He is trained to prepare reports, requisition publications and to organize technical libraries. He is provided training on-the-job by the study of special manuals, or by attending a Navy school.

An **Aviation Maintenance Administrationman** may be stationed at sea or at naval air stations.

Related Occupations: (Civilian)

- Office Clerk
- Record Clerk
- Office Manager
- Stock Control Clerk

TRUCK DRIVER (HEAVY)

Title: TRUCK DRIVER (HEAVY)

Civilian D.O.T. No. 905.883

Occupation: The **Truck Driver (Heavy)** operates large vehicles such as trucks or construction equipment. He transports material or people.

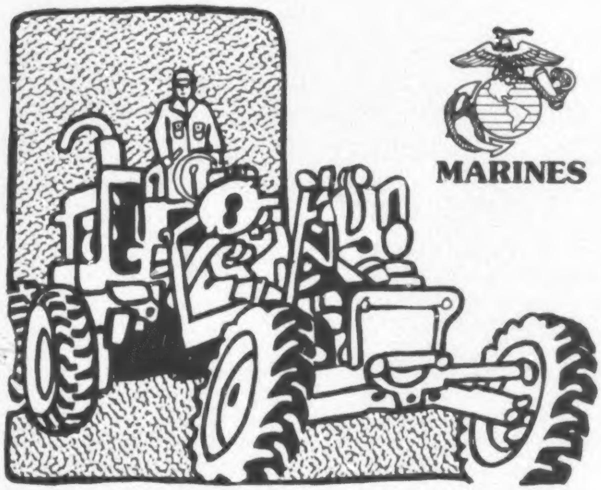
Related Military Occupations:

Air Force	Construction Equipment Operator
Army	Crawler Tractor Operator
Marine Corps	Engineer Equipment Operator
Navy	Equipment Operator

Composite Service Job Statement: In the Armed Services, the **Truck Driver (Heavy)** drives various gasoline or diesel powered vehicles over three ton capacity. He transports both personnel and material. He may also perform minor maintenance on vehicles and prepare reports on mileage and equipment status.

Related Occupations: (Civilian)

- Fire Truck Driver
- Milk Truck Driver
- Truck Driver-Logging



Title: CONSTRUCTION EQUIPMENT OPERATOR

Service: AIR FORCE

AFSC/MOS/Rating: 55131

Occupation: A **Construction Equipment Operator** runs cranes, power shovels, bulldozers, and other heavy equipment. He also handles fork lifts and front-end loaders and sweepers, excavates soil and installs paving materials.

Interests & Qualifications: It is desirable that a **Construction Equipment Operator** complete high school. You must have a score of Mechanical 40 on the Armed Services Vocational Aptitude Battery. You must have normal color vision and have a valid state driver's license.

This specialty is open to women.

Training & Skills: The Air Force offers a Construction Equipment Operators course (11 weeks) at Sheppard Air Force Base, Wichita Falls, Texas. Operators are trained to level, grade and fill surfaces; lift and move heavy objects; excavate and move earth; compact soil; remove snow and ice; and maintain and prepare equipment for use.

(These Air Force training Requirements are subject to change.)

Related Occupations: (Civilian)

- Tractor Operator
- Tractor Crane Operator
- Blade-Grader Operator

Title: CRAWLER TRACTOR OPERATOR

Service: ARMY

AFSC/MOS/Rating: 62E

Occupation: A **Crawler Tractor Operator** runs light, medium and heavy crawler tractors and attachments. He inspects, maintains and repairs equipment.

Interests & Qualifications: A **Crawler Tractor Operator** needs mechanical ability. He should enjoy working with power tools and machines. He needs to reason well, have good eye-hand coordination and be able to work well with his hands. High school courses in driving, math, construction and auto mechanics are helpful. Experience driving heavy equipment is also valuable.

Training & Skills: The Army provides all training needed for this job. Those entering the field are taught the names, uses and characteristics of tools, supplies and equipment. They are also taught how to take care of equipment and safety rules. They learn how to perform pre-operation servicing of tractors and to assist in loading and unloading supplies. They learn to read surveyor grades stakes and adjust grades by manipulating controls to raise and lower slope levels.

Related Occupations: (Army)

- Crane Operator
- Asphalt Equipment Operator
- Quarryman

Title: ENGINEER EQUIPMENT OPERATOR

Service: MARINES

AFSC/MOS/Rating: 1345

Occupation: The **Engineer Equipment Operator** runs large machines. The machines are used in earth moving, grading, digging, drilling, and paving or they may be used in logging, clearing or saw mills. He sometimes repairs the machines.

Interests & Qualifications: Engineer Equipment Operator is a position open to men and women. An interest in working outside and operating and working on heavy equipment is shared by those in this position.

Helpful high school courses are those teaching basic math and physics, and shop courses. Experience on construction teams would also be helpful.

Training & Skills: Depending on grade the **Engineer Equipment Operator** needs to be able to know safety rules. He also needs to be able to camouflage equipment and protect it from chemical attack. In training, he studies how to run and repair the equipment. He also studies basic principles of bridge and road building.

A 9-week training program for **Engineer Equipment Operator** is available at U.S. Army School, Ft. Leonard Wood, Missouri.

Related Occupations: (Marines)

- Tank Crewman
- Engineer Equipment Mechanic
- Truckmaster

Title: EQUIPMENT OPERATOR

Service: NAVY

AFSC/MOS/Rating: EO

Occupation: An **Equipment Operator** operates heavy duty construction equipment. He drives and maintains bulldozers, heavy trucks, cranes, and power shovels.

Interests & Qualifications: An **Equipment Operator** should be physically strong. He needs good coordination, color perception, and mechanical skill. High school courses in auto or electrical shop are helpful. Work experience in construction or automotive repair is valuable.

Training & Skills: An **Equipment Operator** learns to operate and maintain construction equipment. He is taught road construction, grading, and earthwork. An **Equipment Operator** learns his job through on-the-job training, the study of special manuals, or by attending a Navy school.

An **Equipment Operator** may be assigned to shore duty or to a mobile construction battalion.

Related Occupations: (Civilian)

- Heavy Equipment Operator
- Crane Operator
- Excavation Foreman

TRUCK DRIVER (LIGHT)

Title: TRUCK DRIVER (LIGHT)

Civilian D.O.T. No. 906.883

Occupation: The **Truck Driver (Light)** operates small trucks of all types. He picks up and hauls materials and delivers them to customers. He may do long distance or short term driving. He also performs maintenance.

Related Military Occupations:

Air Force	Vehicle Operator/Dispatcher
Army	Motor Transport Operator
Marine Corps	Light Vehicle Operator
Navy	Equipment Operator

Composite Service Job Statement: In the Armed Services, the **Truck Driver (Light)** drives wheeled passenger and cargo carrying motor vehicles under three ton capacity. He inspects vehicles prior to operations. He assists or directs the loading of cargo and passengers. He maintains daily motor vehicle records, performs preventive maintenance and makes authorized repairs on vehicles.

Related Occupations: (Civilian)

- Food Service Driver
- Mail Truck Driver
- Pick Up Man

Title: VEHICLE OPERATOR/DISPATCHER

Service: AIR FORCE

AFSC/MOS/Rating: 60330

Occupation: A **Vehicle Operator/Dispatcher** drives and dispatches vehicles of all kinds. He operates two-way radios to dispatch vehicles.

Interests & Qualifications: It is desirable that a **Vehicle Operator/Dispatcher** complete high school. School courses in driver's education are helpful. You must have a score of Mechanical 40 on the Armed Services Vocational Aptitude Battery. You must have normal color vision.

This specialty is open to women.

Training & Skills: To be a **Vehicle Operator/Dispatcher**, you must have a valid state driver's license or proof of driving experience. It will be very helpful if you can operate keypunch equipment. Skills also are acquired through on-the-job training. These include cleaning and servicing auto equipment, loading and unloading cargo and people, preparing vehicle reports and records, dispatching vehicles and learning to perform radio taxi dispatching.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Taxi Driver
- Chauffeur
- Trailer Truck Driver
- Truckdriver, Light/Heavy

Title: MOTOR TRANSPORT OPERATOR

Service: ARMY

AFSC/MOS/Rating: 64C

Occupation: A **Motor Transport Operator** operates wheel vehicles to transport personnel and cargo. He loads and unloads cargo, corrects minor vehicle problems, drives vehicles and interprets road maps.

Interests & Qualifications: A **Motor Transport Operator** needs mechanical skill and good eye-hand coordination. High school courses in driving and auto mechanics are helpful. Also helpful is experience driving automobiles, trucks and buses. Good vision and good hearing are important for this job.

Training & Skills: Those entering this field are taught safety methods for operating vehicles during daylight, night or under blackout conditions. They also learn operating limits and load carrying capacity, safe distances to maintain between vehicles and how to use emergency devices to travel over difficult ground. They also learn to perform pre-operation inspection of vehicles to check the fuel and oil levels, and to ensure that the autos are ready to move when instructed to do so.

Related Occupations: (Army)

- Movements Specialist
- Terminal Operations Specialist

Title: LIGHT VEHICLE OPERATOR

Service: MARINES

AFSC/MOS/Rating: 3535

Occupation: The **Light Vehicle Operator** operates wheeled passenger and cargo carrying motor vehicles up to and including one and one-half ton capacity.

Interests & Qualifications: This position is open to both men and women.

The **Light Vehicle Operator** needs a high degree of mechanical aptitude. Previous experience driving route-trucks or similar cargo vehicles is helpful. High school courses that are helpful include driver's training, auto mechanics, and business math.

Training & Skills: The **Light Vehicle Operator** is trained to operate motor vehicles of all body types up to and including one and one-half ton capacity. This training covers driving on all types of roads under all types of weather conditions. The **Light Vehicle Operator** also learns to measure and report vehicle discrepancies, quantity of fuel and oil used, cargo weight, number of passengers, trip time, and mileage. Vehicle maintenance before, during, and after operation is also taught.

Related Occupations: (Marines)

- Chauffeur
- Dispatcher
- Sedan/Ambulance Driver

Title: EQUIPMENT OPERATOR

Service: NAVY

AFSC/MOS/Rating: EO

Occupation: An **Equipment Operator** operates heavy duty construction equipment. He drives and maintains bulldozers, heavy trucks, cranes, and power shovels.

Interests & Qualifications: An **Equipment Operator** should be physically strong. He needs good coordination, color perception, and mechanical skill. High school courses in auto or electrical shop are helpful. Work experience in construction or automotive repair is valuable.

Training & Skills: An **Equipment Operator** learns to operate and maintain construction equipment. He is taught road construction, grading, and earthwork. An **Equipment Operator** learns his job through on-the-job training, the study of special manuals, or by attending a Navy school.

An **Equipment Operator** may be assigned to shore duty or to a mobile construction battalion.

Related Occupations: (Civilian)

- Heavy Equipment Operator
- Crane Operator
- Excavation Foreman

WEATHER FORECASTER

Title: WEATHER FORECASTER

Civilian D.O.T. No. 025.088

Occupation: The **Weather Forecaster** studies weather and atmospheric conditions. He uses special instruments to test the humidity and barometric changes. He reports to radio and TV stations and other communication sources.

Related Military Occupations:

Air Force	Weather Observer
Army	Meteorological Observer
Coast Guard	Marine Science Technician
Marine Corps	Weather Observer
Navy	Aerographer's Mate

Composite Service Job Statement: In the Armed Services, the **Weather Forecaster** studies and interprets atmospheric conditions and related meteorological information to forecast immediate or long range changes in the weather. He analyzes and interprets meteorological data to forecast weather conditions and gives warnings of hazardous and severe weather conditions.

Related Occupations: (Civilian)

- Climatologist
- Hydrographer
- Weather Chart Plotter

Title: WEATHER OBSERVER

Service: AIR FORCE

AFSC/MOS/Rating: 25231

Occupation: A **Weather Observer** observes and records weather and attempts to make valid weather forecasts from this data. He measures, computes, and estimates sky conditions, type, height and amount of clouds, wind velocities, pressures and temperature.

Interests & Qualifications: It is desirable that a **Weather Observer** complete high school. School courses in physics, geography and math are helpful. You must pass a basic physical exam and have vision correctable to 20/20 with glasses. You must score at least General 80 on the Armed Services Vocational Aptitude Battery.

This specialty is open to women.

Training & Skills: To be a **Weather Observer,** you must attend the Weather Observer Technical Training course (15 weeks) at Chanute Air Force Base, Rantoul, Illinois. In courses offered, you will learn to evaluate and compute pressure, temperature and humidity changes using pilot balloons and rocket sondes. You will also learn to plot weather charts and diagrams and encode data for radio and teletype transmissions.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Weather Chart Preparer
- Meteorologist

Title: METEOROLOGICAL OBSERVER

Service: ARMY

AFSC/MOS/Rating: 93E

Occupation: A **Meteorological Observer** takes readings to forecast weather. He also installs and maintains the equipment used.

Interests & Qualifications: A **Meteorological Observer** needs to work well with numbers, be able to reason well and solve problems, and be able to understand technical instructions. High school courses in physics, math, statistics, electrical and mechanical engineering, biological and physical sciences are helpful.

Training & Skills: Specific Army training is provided to teach these skills to those who show the interest and ability. Skills learned include identifying cloud systems; determining high and low pressure areas; and making judgments about future weather based on available information.

Related Occupations: (Army)

- Meteorological Equipment Repairman

Title: MARINE SCIENCE TECHNICIAN

Service: COAST GUARD

AFSC/MOS/Rating: MST

Occupation: The **Marine Science Technician** observes, collects, analyzes and disseminates meteorological and oceanographic data. He makes visual and instrumental weather observations. He also conducts routine chemical analysis.

Interests & Qualifications: Marine Science Technicians should be above average in general learning ability. They should have an aptitude for math. School courses in algebra, trigonometry, chemistry, physics, and typewriting are very helpful. Training or experience in meteorology, oceanography or astronomy is of great value.

Training & Skills: Upon completion of recruit training, **Marine Science Technicians** take 16 weeks training at Coast Guard Reserve Training Center, Yorktown, Virginia. Additional duties of a **Marine Science Technician** may include learning to trouble-shoot and maintain instruments; learning to code and decode; and keeping charts, records, and logs. Information collected by the **Marine Science Technician** is used for civilian purposes as well as for the armed services.

Related Occupations: (Coast Guard)

- None

Title: WEATHER OBSERVER

Service: MARINES

AFSC/MOS/Rating: 6821

Occupation: The **Weather Observer** observes and records weather conditions and then distributes the data. He takes readings of various instruments and calculates wind velocity. An important part of his job is changing observations into useable data.

Interests & Qualifications: This position is open to both men and women. A confidential security clearance will be required. The **Weather Observer** must have normal color perception.

Weather Observers like to work outside and study weather. They enjoy working with instruments. Helpful high school courses include English, math and physics. Chemistry and geography are also important.

Training & Skills: Depending on his grade, the **Weather Observer** must know how to identify cloud types. He must be able to use the standard instruments used in weather observing. He needs to be able to prepare, observe and figure out pilot balloon soundings and prepare data relating to stars and tides. He must be a graduate of Aerographer's Mate School, Class "A", Naval Air Technical Training Center, Naval Air School, Lakehurst, New Jersey or equivalent school.

Related Occupations: (Marines)

- Basic Weather Service Man
- Weather Observer/Rawinsonde Operator

Title: AEROGRAPHER'S MATE

Service: NAVY

AFSC/MOS/Rating: AG

Occupation: An **Aerographer's Mate** collects, records and analyzes weather information. He observes forecasts and distributes weather information.

Interests & Qualifications: An **Aerographer's Mate** needs mathematical ability. High school courses in algebra, trigonometry, physics, physiography and typing are helpful. Experiences in meteorology, astronomy or physical science are valuable.

Training & Skills: An **Aerographer's Mate** learns meteorology, weather codes, teletypewriting, cloud observations and map analysis. He is taught to plot weather charts and to use weather tables and the slide rule. He receives his training on-the-job, by studying special manuals, or by attending a Navy school.

Aerographer's Mates are stationed at sea or ashore.

Related Occupations: (Civilian)

- Chart Maker
- Computer Operator
- Meteorologist
- Weather Forecaster

WELDER

Title: WELDER

Civilian D.O.T. No. 812.884

Occupation: The **Welder** welds metal parts together according to layouts, blueprints, or work orders using both gas welding or brazing and any combination of arc welding processes.

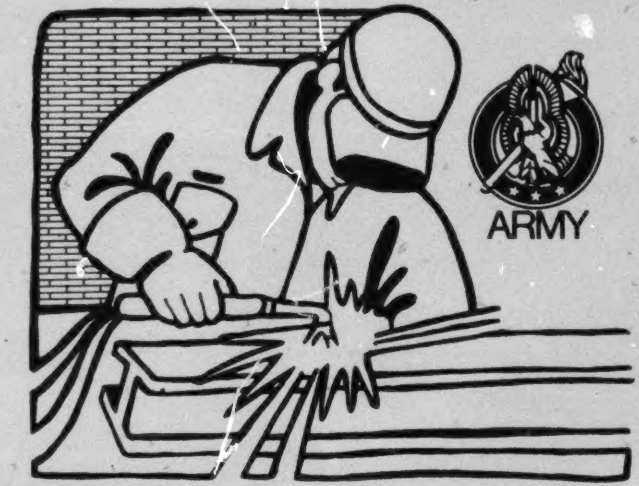
Related Military Occupations:

Air Force	Metal Processing Specialist
Army	Welder
Coast Guard	Damage Controlman
Marine Corps	Metal Worker
Navy	Steelworker

Composite Service Job Statement: In the Armed Services, the **Welder** welds metal parts together according to layout, blueprints, or work orders using both gas welding or brazing and any combination of arc welding processes. He performs relating tasks such as flame cutting and grinding. He uses hand tools and portable welding equipment.

Related Occupations: (Civilian)

- Brazer, Production Line
- Welder, Repair and Salvage



Title: METAL PROCESSING SPECIALIST

Service: AIR FORCE

AFSC/MOS/Rating: 53230

Occupation: A **Metal Processing Specialist** welds, cuts and solders metal. He prepares the metal for processing, and draws work sketches. He fabricates and repairs metal parts and components.

Interests & Qualifications: It is desirable that a **Metal Processing Specialist** complete high school. School courses in physics, chemistry, shop math and mechanical drawing are helpful. You must have a score of Mechanical 40 on the Armed Services Vocational Aptitude Battery. You need normal color vision.

This specialty is open to women.

Training & Skills: To be a **Metal Processing Specialist,** you must complete the Metal Processing Specialist course (15 weeks) at Chanute Air Force Base, Rantoul, Illinois. Instruction includes blueprint reading, layout development, repair set-ups, and fabrication of welding parts. Also included is instruction in the basic techniques of welding, cutting, soldering, brazing and hand-surfacing various types of metal.

(These Air Force training requirements are subject to change.)

Related Occupations: (Civilian)

- Welder, Combination
- Heat Treater
- Blacksmith (Forging)

Title: WELDER

Service: ARMY

AFSC/MOS/Rating: 44C

Occupation: A **Welder** welds metal articles and parts. He brazes unlike metals, cuts or burns metal, selects welding methods to use, and reads blueprints.

Interests & Qualifications: A **Welder** should have mechanical skill and be able to reason well. It is important to have good eye-hand coordination, to work well with his hands and to have good hearing and vision. High school courses in math, physics, and sheet metal shop are helpful. Experience in auto or farm machinery repair, welding or sheet metal work is also good preparation for this job.

Training & Skills: Those entering this field are taught the basics of math, physics and electrical and fuel systems. They learn the uses of tools, gauges and testing equipment, the name, location and characteristics of weapons and machines and related safety rules.

They learn how to braze unlike materials, cut and burn metal and to make butt, corner, edge, lap, tee, tock and slot welds from flat welding positions, and how to read and understand blueprints and shop sketches.

Related Occupations: (Army)

- Metal Body Repairman
- Metalworking Foreman
- Metalworking Assistant

Title: DAMAGE CONTROLMAN

Service: COAST GUARD

AFSC/MOS/Rating: DC

Occupation: The **Damage Controlman** installs and repairs pipe systems and fixtures for water, gas, steam, compressed air and waste disposal systems on all Coast Guard units. His duties also include firefighting, welding, and woodworking.

Interests & Qualifications: A **Damage Controlman** should be average or above in general learning ability. He should have mechanical aptitude. He should also be self-reliant, creative, and have poise under pressure. School courses in carpentry, metal working, machining, practical mathematics and chemistry are useful. Experience as a volunteer or full time fireman is also helpful.

Training & Skills: Upon completion of recruit training, the **Damage Controlman** may attend a 15-week school at Coast Guard Training Center, Governor's Island, New York. Or, he may receive on-the-job training and study course manuals and publications. The **Damage Controlman** may be asked to instruct and handle damage control parties. He is also responsible for the upkeep and repair of damage control equipment such as dewatering pumps, shoring gear and firefighting equipment.

Related Occupations: (Coast Guard)

- Machinery Technician

Title: METAL WORKER

Service: MARINES

AFSC/MOS/Rating: 1316

Occupation: The **Metal Worker** operates sheetmetal forging and welding equipment. He works with fabricating, strengthening and/or modifying metals. He plans work by studying drawings or work orders.

Interests & Qualifications: **Metal Worker** is a position open to men and women. The **Metal Worker** likes to work with his hands. He enjoys welding and making things of metal.

Helpful high school courses include metal shop and mechanical drawing. It is also useful to learn basic math and physics.

Training & Skills: Depending on his grade, the **Metal Worker** needs to be able to make, install and fix sheet metal articles. He also must have the skills to forge, weld, temper, cut and braze sheet metal. In training, he studies forge, pattern layout and welding. He also learns the theory and principles of sheet metal work. Training is available at Camp Lejeune, North Carolina for 6 weeks.

Related Occupations: (Marines)

- Repair Shop Machinist
- Body Repairman

CE 004 352

Title: STEELWORKER

Service: NAVY

AFSC/MOS/Rating: SW

Occupation: The **Steelworker** rigs and operates hoisting equipment to erect or dismantle steel bridges, piers, buildings and the like. He welds, cuts and bolts steel plates used in this construction.

Interests & Qualifications: The **Steelworker** should have good physical stamina and strength plus the ability to work in high places. An aptitude for using numbers and mechanical work is most helpful.

A high school education including courses in sheet metal, machine shop and foundry is desirable. Any experience in construction work is most valuable.

Training & Skills: After attending recruit training, the rating of **Steelworker** may be obtained through on-the-job training under experienced personnel. The additional study of manuals will give the **Steelworker** skills in mathematics, blueprint reading, welding, metal layout and related work.

Technical schooling is also available. A **Steelworker** may be stationed at naval shore activities or in mobile construction battalions.

Related Occupations: (Civilian)

- Shipfitter